



Certificate of Compliance

Certificate: 80098025

Master Contract: 265697

Project: 80267948

Date Issued: 2025-09-04

Issued to: VIETNAM SUNERGY JOINT STOCK COMPANY
Lot III-Dong Vang Area, Dinh Tram Industrial Zone, Hoang Ninh Commune, Viet Yen District,
230000 Bac Giang Province, VIETNAM

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by: *Sara Guo*
Sara Guo

PRODUCTS

CLASS 5311 10 - POWER SUPPLIES - Photovoltaic Modules and Panels

CLASS 5311 90 - POWER SUPPLIES - Photovoltaic Modules and Panels - Certified to U.S. Standards

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxxN-156BMH-DG (156BMH-DG-BW/156BMH-DG-BB/156BMH-DG-BT/156BMH-DG-WT) (xxx=605-660, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxxN-144BMH-DG (144BMH-DG-BW/144BMH-DG-BB/144BMH-DG-BT/144BMH-DG-WT) (xxx=550-610, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxxN-132BMH-DG (132BMH-DG-BW/132BMH-DG-BB/132BMH-DG-BT/132BMH-DG-WT) (xxx=505-560, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxxN-120BMH-DG (120BMH-DG-BW/120BMH-DG-BB/120BMH-DG-BT/120BMH-DG-WT) (xxx=455-510, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 38, maximum system voltage of 1500 V dc, model series: VSUNxxxN-120BMH-DGL (120BMH-DGL-BW/120BMH-DGL-BB/120BMH-DGL-BT/120BMH-DGL-WT) (xxx=455-510, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxxN-108BMH-DG (108BMH-DG-BW/108BMH-DG-BB/108BMH-DG-BT/108BMH-DG-WT) (xxx=405-460, in steps of 5), Fuse rating 30A.



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Photovoltaic modules with Fire Performance (USA) Type 38, maximum system voltage of 1500 V dc, model series: VSUNxxxN-108BMH-DGL (108BMH-DGL-BW/108BMH-DGL-BB/108BMH-DGL-BT/108BMH-DGL-WT) (xxx=405-460, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxxN-96BMH-DG (96BMH-DG-BW/96BMH-DG-BB/96BMH-DG-BT/96BMH-DG-WT) (xxx=360-410, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 38, maximum system voltage of 1500 V dc, model series: VSUNxxxN-96BMH-DGL (96BMH-DGL-BW/96BMH-DGL-BB/96BMH-DGL-BT/96BMH-DGL-WT) (xxx=360-410, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxx-156BMH-DG (xxx=570-605, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxx-144BMH-DG (xxx=510-580, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxx-132BMH-DG (xxx=475-520, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxx-120BMH-DG (xxx=430-470, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxx-108BMH-DG (xxx=390-410, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 38, maximum system voltage of 1500 V dc, model series: VSUNxxx-108BMH-DGL (xxx=390-410, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxx-96BMH-DG (xxx=350-375, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 38, maximum system voltage of 1500 V dc, model series: VSUNxxx-96BMH-DGL (xxx=350-375, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxx-144BMH (xxx=510-580, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxx-132BMH (xxx=475-520, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxx-120BMH (xxx=430-470, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxx-108BMH (xxx=390-410, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxx-96BMH (xxx=350-375, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxxN-156BMH (156BMH-BW/156BMH-BB/156BMH-BT/156BMH-WT) (xxx=605-660, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxxN-144BMH (144BMH-BW/144BMH-BB/144BMH-BT/144BMH-WT) (xxx=550-610, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxxN-132BMH (132BMH-BW/132BMH-BB/132BMH-BT/132BMH-WT) (xxx=505-560, in steps of 5), Fuse rating 30A.



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Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxxN-120BMH (120BMH-BW/120BMH-BB/120BMH-BT/120BMH-WT) (xxx=455-510, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxxN-108BMH (108BMH-BW/108BMH-BB/108BMH-BT/108BMH-WT) (xxx=405-460, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxxN-96BMH (96BMH-BW/96BMH-BB/96BMH-BT/96BMH-WT) (xxx=360-410, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxx-144MH-BB (xxx=510-580, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxx-132MH-BB (xxx=475-520, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxx-120MH-BB (xxx=430-470, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxx-108MH-BB (xxx=390-410, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxx-72MH-DG (xxx=350-375, in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxx-60MH-DG (xxx=295-315, in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxx-72BMH-DG (xxx=350-410, in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxx-60BMH-DG (xxx=295-335, in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxx-144BMH-DG (xxx=380-470, in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxx-120BMH-DG (xxx=325-390, in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 1 or 2, maximum system voltage of 1000 V dc, model series: VSUNxxx-72M (72M-BW/72M-BB) (xxx=330-420, in steps of 5), Fuse rating 20A or maximum system voltage of 1500 V dc, model series: VSUNxxx-72MH (72MH-BW/72MH-BB) (xxx=330-420, in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxx-72BMH (xxx=350-410, in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 1 or 2, maximum system voltage of 1000 V dc, model series: VSUNxxx-72P (72P-BW/72P-BB) (xxx=310-355, in steps of 5), Fuse rating 20A or maximum system voltage of 1500 V dc, model series: VSUNxxx-72PH (72PH-BW) (xxx=310-355, in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 1 or 2, maximum system voltage of 1000 V dc, model series: VSUNxxx-60M(60M-BW/60M-BB) (xxx=275-355, in steps of 5), Fuse rating 20A or maximum system voltage of 1500 V dc, model series: VSUNxxx-60MH (60MH-BW/60MH-BB) (xxx=275-355, in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxx-60BMH (xxx=295-335, in steps of 5), Fuse rating 20A.



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Photovoltaic modules with Fire Performance (USA) Type 1 or 2, maximum system voltage of 1000 V dc, model series: VSUNxxx-60P(60P-BW/60P-BB) (xxx=260-295, in steps of 5), Fuse rating 20A or maximum system voltage of 1500 V dc, model series: VSUNxxx-60PH (60PH-BW) (xxx=260-295 in steps of 5), Fuse rating 20A. Photovoltaic modules with Fire Performance (USA) Type 1 or 2, maximum system voltage of 1000 V dc, model series: VSUNxxx-54M(54M-BW/54M-BB) (xxx=250-315, in steps of 5), Fuse rating 20A or maximum system voltage of 1500 V dc, model series: VSUNxxx-54MH (54MH-BW/54MH-BB) (xxx=250-315 in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 1 or 2, maximum system voltage of 1000 V dc, model series: VSUNxxx-54P(54P-BW/54P-BB) (xxx=235-265, in steps of 5), Fuse rating 20A or maximum system voltage of 1500 V dc, model series: VSUN265-54PH (54PH-BW) (xxx=235-265 in steps of 5), Fuse rating 20A. Photovoltaic modules with Fire Performance (USA) Type 1 or 2, maximum system voltage of 1000 V dc, model series: VSUNxxx-48M(48M-BW/48M-BB) (xxx=220-280, in steps of 5), Fuse rating 20A or maximum system voltage of 1500 V dc, model series: VSUNxxx-48MH (48MH-BW/48MH-BB) (xxx=220-280 in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 1 or 2, maximum system voltage of 1000 V dc, model series: VSUNxxx-48P(48P-BW/48P-BB) (xxx=210-235, in steps of 5), Fuse rating 20A or maximum system voltage of 1500 V dc, model series: VSUNxxx-48PH (48PH-BW) (xxx=210-235 in steps of 5), Fuse rating 20A. Photovoltaic modules with Fire Performance (USA) Type 1 or 2, maximum system voltage of 1000 V dc, model series: VSUNxxx-36M(36M-BW/36M-BB) (xxx=165-210, in steps of 5), Fuse rating 20A or maximum system voltage of 1500 V dc, model series: VSUNxxx-36MH (36MH-BW/36MH-BB) (xxx=165-210 in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 1 or 2, maximum system voltage of 1000 V dc, model series: VSUNxxx-36P(36P-BW/36P-BB) (xxx=155-175, in steps of 5), Fuse rating 20A or maximum system voltage of 1500 V dc, model series: VSUNxxx-36PH (36PH-BW) (xxx=155-175 in steps of 5), Fuse rating 20A. Photovoltaic modules with Fire Performance (USA) Type 1 or 2, maximum system voltage of 1000 V dc, model series: VSUNxxx-144M(144M-BW/144M-BB) (xxx=360-480, in steps of 5), Fuse rating 20A or maximum system voltage of 1500 V dc, model series: VSUNxxx-144MH (144MH-BW/144MH-BB) (xxx=360-480 in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxx-144BMH (xxx=380-470 in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 1 or 2, maximum system voltage of 1000 V dc, model series: VSUNxxx-144M(144M-BW/144M-BB) (xxx=510-580, in steps of 5), Fuse rating 30A or maximum system voltage of 1500 V dc, model series: VSUNxxx-144MH (144MH-BW/144MH-BB) (xxx=510-580 in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxx-132BMH (xxx=400-415 in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 1 or 2, maximum system voltage of 1000 V dc, model series: VSUNxxx-132M(132M-BW/132M-BB) (xxx=355-385, in steps of 5), Fuse rating 20A or maximum system voltage of 1500 V dc, model series: VSUNxxx-132MH(132MH-BW/132MH-BB) (xxx=355-385 in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 1 or 2, maximum system voltage of 1000 V dc, model series: VSUNxxx-132M(132M-BW/132M-BB) (xxx=475-520, in steps of 5), Fuse rating 30A or maximum system voltage of 1500 V dc, model series: VSUNxxx-132MH(132MH-BW/132MH-BB) (xxx=475-520 in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxx-120BMH (xxx=325-390 in steps of 5), Fuse rating 20A.



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Photovoltaic modules with Fire Performance (USA) Type 1 or 2, maximum system voltage of 1000 V dc, model series: VSUNxxx-120M(120M-BW/120M-BB) (xxx=310-400, in steps of 5), Fuse rating 20A or maximum system voltage of 1500 V dc, model series: VSUNxxx-120MH(120MH-BW/120MH-BB) (xxx=310-400 in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 1 or 2, maximum system voltage of 1000 V dc, model series: VSUNxxx-120M(120M-BW/120M-BB) (xxx=430-470, in steps of 5), Fuse rating 30A or maximum system voltage of 1500 V dc, model series: VSUNxxx-120MH(120MH-BW/120MH-BB) (xxx=430-470 in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1 or 2, maximum system voltage of 1000 V dc, model series: VSUNxxx-108M(108M-BW/108M-BB) (xxx=390-410, in steps of 5), Fuse rating 30A or maximum system voltage of 1500 V dc, model series: VSUNxxx-108MH(108MH-BW/108MH-BB) (xxx=390-410 in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1 or 2, maximum system voltage of 1500 V dc, model series: VSUNxxx-96MH(96MH-BW/96MH-BB) (xxx=350-375 in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1 or 2, maximum system voltage of 1000 V dc, model series: VSUNxxx-150M(150M-BW/150M-BB) (xxx=480-535, in steps of 5), Fuse rating 20A or maximum system voltage of 1500 V dc, model series: VSUNxxx-150MH(150MH-BW) (xxx=480-535 in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 1 or 2, maximum system voltage of 1000 V dc, model series: VSUNxxx-156M(156M-BW/156M-BB) (xxx=425-500, in steps of 5), Fuse rating 20A or maximum system voltage of 1500 V dc, model series: VSUNxxx-156MH(156MH-BW/156MH-BB) (xxx=425-500 in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxx-156BMH (xxx=465-500 in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxxN-156MH (156MH-BW/156MH-BB) (xxx=605-660, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxxN-144MH (144MH-BW/144MH-BB) (xxx=550-610, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxxN-132MH (132MH-BW/132MH-BB) (xxx=505-560, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxxN-120MH (120MH-BW/120MH-BB) (xxx=455-510, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxxN-108MH (108MH-BW/108MH-BB) (xxx=405-460, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxxN-96MH (96MH-BW/96MH-BB) (xxx=360-410, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxxN-132BMH-DG (132BMH-DG-BW/132BMH-DG-BB/132BMH-DG-BT/132BMH-DG-WT) (xxx=680-745, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxxN-120BMH-DG (120BMH-DG-BW/120BMH-DG-BB/120BMH-DG-BT/120BMH-DG-WT) (xxx=615-675, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxxN-132BMHR/132BMHR-BW/132BMHR-BB/132BMHR-BT/132BMHR-WT (xxx=605-645 in steps of 5), Fuse rating 30A.



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Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxxN-120BMHR/120BMHR-BW/120BMHR-BB/120BMHR-BT/120BMHR-WT (xxx=550-585 in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxxN-108BMHR/108BMHR-BW/108BMHR-BB/108BMHR-BT/108BMHR-WT (xxx=495-525 in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxxN-96BMHR/96BMHR-BW/96BMHR-BB/96BMHR-BT/96BMHR-WT (xxx=440-470 in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 1, maximum system voltage of 1500 V dc, model series: VSUNxxxN-108BMHS/108BMHS-BW/108BMHS-BB/108BMHS-BT/108BMHS-WT (xxx=430-475 in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxxN-132BMHR-DG/132BMHR-DG-BW/132BMHR-DG-BB/132BMHR-DG-BT/132BMHR-DG-WT (xxx=605-645, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxxN-120BMHR-DG/120BMHR-DG-BW/120BMHR-DG-BB/120BMHR-DG-BT/120BMHR-DG-WT (xxx=550-585, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxxN-108BMHR-DG/108BMHR-DG-BW/108BMHR-DG-BB/108BMHR-DG-BT/108BMHR-DG-WT (xxx=495-525, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 38, maximum system voltage of 1500 V dc, model series: VSUNxxxN-108BMHR-DGL/108BMHR-DGL-BW/108BMHR-DGL-BB/108BMHR-DGL-BT/108BMHR-DGL-WT (xxx=495-525, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 29, maximum system voltage of 1500 V dc, model series: VSUNxxxN-96BMHR-DG/96BMHR-DG-BW/96BMHR-DG-BB/96BMHR-DG-BT/96BMHR-DG-WT (xxx=440-470, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 38, maximum system voltage of 1500 V dc, model series: VSUNxxxN-96BMHR-DGL/96BMHR-DGL-BW/96BMHR-DGL-BB/96BMHR-DGL-BT/96BMHR-DGL-WT (xxx=440-470, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 38, maximum system voltage of 1500 V dc, model series: VSUNxxxN-108BMHS-DG/108BMHS-DG-BW/108BMHS-DG-BB/108BMHS-DG-BT/108BMHS-DG-WT (xxx=430-475, in steps of 5), Fuse rating 30A.

Photovoltaic modules with Fire Performance (USA) Type 38, maximum system voltage of 1500 V dc, model series: VSUNxxxN-108BMHS-DGL/108BMHS-DGL-BW/108BMHS-DGL-BB/108BMHS-DGL-BT/108BMHS-DGL-WT (xxx=430-475, in steps of 5), Fuse rating 30A.

Notes:

1. The electrical characteristics are within ± 4 percent of the rated values of I_{sc} , V_{oc} , and P_{max} under standard test conditions (irradiance of 1000 W/m², AM 1.5 spectrum, and a cell temperature of 25°C (77°F)).
2. The operating ambient temperature of these devices may exceed 40 °C at full load for all wire sizes if it is determined suitable in the field use application.
3. The electrical power performance shown in the table below is only generated by front side of the PV module, more power may be generated if considering back side of the module.



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
VSUNxxx-156BMH-DG (xxx=570-605, in steps of 5), for 182mm cell only					
VSUN605-156BMH-DG	54.14	14.13	45.72	13.24	605
VSUN600-156BMH-DG	54.01	14.07	45.57	13.17	600
VSUN595-156BMH-DG	53.88	14.01	45.41	13.11	595
VSUN590-156BMH-DG	53.74	13.95	45.23	13.05	590
VSUN585-156BMH-DG	53.59	13.89	45.10	12.98	585
VSUN580-156BMH-DG	53.42	13.83	44.92	12.92	580
VSUN575-156BMH-DG	53.29	13.76	44.79	12.84	575
VSUN570-156BMH-DG	53.12	13.69	44.63	12.78	570
VSUNxxx-144BMH-DG(VSUNxxx-144BMH) (xxx=510-580, in steps of 5), for 182mm cell only					
VSUN580-144BMH-DG/ 144BMH	50.60	14.50	42.73	13.58	580
VSUN575-144BMH-DG/ 144BMH	50.50	14.41	42.60	13.50	575
VSUN570-144BMH-DG/ 144BMH	50.36	14.33	42.48	13.42	570
VSUN565-144BMH-DG/ 144BMH	50.25	14.25	42.34	13.35	565
VSUN560-144BMH-DG/ 144BMH	50.14	14.16	42.24	13.26	560
VSUN555-144BMH-DG/ 144BMH	50.04	14.07	42.15	13.17	555
VSUN550-144BMH-DG/ 144BMH	49.92	13.99	42.00	13.10	550
VSUN545-144BMH-DG/ 144BMH	49.81	13.92	41.80	13.04	545
VSUN540-144BMH-DG/ 144BMH	49.65	13.85	41.65	12.97	540
VSUN535-144BMH-DG/ 144BMH	49.50	13.78	41.50	12.90	535
VSUN530-144BMH-DG/ 144BMH	49.35	13.71	41.35	12.82	530
VSUN525-144BMH-DG/ 144BMH	49.22	13.63	41.22	12.74	525
VSUN520-144BMH-DG/ 144BMH	49.11	13.53	41.11	12.65	520
VSUN515-144BMH-DG/ 144BMH	49.00	13.45	41.02	12.56	515
VSUN510-144BMH-DG/ 144BMH	48.85	13.37	40.91	12.47	510



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
VSUNxxx-132BMH-DG(VSUNxxx-132BMH) (xxx=475-520, in steps of 5), for 182mm cell only					
VSUN520-132BMH-DG/ VSUN520-132BMH	46.08	14.23	38.99	13.34	520
VSUN515-132BMH-DG/ VSUN515-132BMH	45.92	14.16	38.84	13.26	515
VSUN510-132BMH-DG/ VSUN510-132BMH	45.76	14.09	38.77	13.17	510
VSUN505-132BMH-DG/ VSUN505-132BMH	45.60	14.00	38.60	13.09	505
VSUN500-132BMH-DG/ VSUN500-132BMH	45.40	13.93	38.40	13.03	500
VSUN495-132BMH-DG/ VSUN495-132BMH	45.20	13.85	38.20	12.96	495
VSUN490-132BMH-DG/ VSUN490-132BMH	45.00	13.78	38.00	12.90	490
VSUN485-132BMH-DG/ VSUN485-132BMH	44.80	13.71	37.80	12.84	485
VSUN480-132BMH-DG/ VSUN480-132BMH	44.64	13.62	37.63	12.76	480
VSUN475-132BMH-DG/ VSUN475-132BMH	44.47	13.54	37.47	12.68	475
VSUNxxx-120BMH-DG(VSUNxxx-120BMH) (xxx=430-470, in steps of 5), for 182mm cell only					
VSUN470-120BMH-DG/ VSUN470-120BMH	42.81	13.86	35.69	13.17	470
VSUN465-120BMH-DG/ VSUN465-120BMH	42.65	13.79	35.56	13.08	465
VSUN460-120BMH-DG/ VSUN460-120BMH	42.50	13.71	35.4	13.00	460
VSUN455-120BMH-DG/ VSUN455-120BMH	42.30	13.63	35.2	12.93	455
VSUN450-120BMH-DG/ VSUN450-120BMH	42.10	13.56	35.00	12.86	450
VSUN445-120BMH-DG/ VSUN445-120BMH	41.90	13.48	34.80	12.79	445
VSUN440-120BMH-DG/ VSUN440-120BMH	41.70	13.41	34.60	12.72	440
VSUN435-120BMH-DG/ VSUN435-120BMH	41.52	13.33	34.45	12.63	435
VSUN430-120BMH-DG/ VSUN430-120BMH	41.34	13.25	34.30	12.54	430



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VSUNxxx-108BMH-DG(VSUNxxx-108BMH-DGL/ VSUNxxx-108BMH) (xxx=390-410, in steps of 5), for 182mm cell only					
VSUN410-108BMH-DG/VSUN410-108BMH-DGL/ VSUN410-108BMH	37.54	13.86	31.55	13	410
VSUN405-108BMH-DG/VSUN405-108BMH-DGL/ VSUN405-108BMH	37.36	13.78	31.36	12.92	405
VSUN400-108BMH-DG/VSUN400-108BMH-DGL/ VSUN400-108BMH	37.2	13.68	31.17	12.84	400
VSUN395-108BMH-DG/VSUN395-108BMH-DGL/ VSUN395-108BMH	37.03	13.59	31	12.75	395
VSUN390-108BMH-DG/VSUN390-108BMH-DGL/ VSUN390-108BMH	36.84	13.5	30.82	12.66	390
VSUNxxx-96BMH-DG(VSUNxxx-96BMH-DGL/VSUNxxx-96BMH) (xxx=350-375, in steps of 5), for 182mm cell only					
VSUN375-96BMH-DG /VSUN375-96BMH-DGL /VSUN375-96BMH	33.74	14.01	28.46	13.18	375
VSUN370-96BMH-DG /VSUN370-96BMH-DGL /VSUN370-96BMH	33.55	13.93	28.27	13.09	370
VSUN365-96BMH-DG /VSUN365-96BMH-DGL /VSUN365-96BMH	33.36	13.86	28.06	13.01	365
VSUN360-96BMH-DG /VSUN360-96BMH-DGL /VSUN360-96BMH	33.23	13.78	27.89	12.93	360
VSUN355-96BMH-DG /VSUN355-96BMH-DGL /VSUN355-96BMH	33.09	13.68	27.70	12.84	355
VSUN350-96BMH-DG /VSUN350-96BMH-DGL /VSUN350-96BMH	32.95	13.59	27.53	12.74	350
VSUNxxx-72MH-DG (xxx=350-375, in steps of 5)					
VSUN375-72MH-DG	48.5	9.85	39.9	9.4	375
VSUN370-72MH-DG	48.2	9.79	39.7	9.32	370
VSUN365-72MH-DG	47.9	9.72	39.5	9.25	365
VSUN360-72MH-DG	47.7	9.68	39.2	9.18	360
VSUN355-72MH-DG	47.6	9.63	39.0	9.11	355
VSUN350-72MH-DG	47.4	9.57	38.9	9.01	350
VSUNxxx-60MH-DG (xxx=295-315, in steps of 5)					
VSUN315-60MH-DG	40.8	9.87	34.5	9.14	315
VSUN310-60MH-DG	40.5	9.82	34.2	9.08	310
VSUN305-60MH-DG	40.2	9.76	33.9	9.02	305
VSUN300-60MH-DG	40	9.66	33.5	8.97	300
VSUN295-60MH-DG	39.8	9.57	33.2	8.89	295
VSUNxxx-72BMH-DG(VSUNxxx-72BMH) (xxx=350-410, in steps of 5)					



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VSUN410-72BMH-DG/ VSUN410-72BMH	50.1	10.46	41.4	9.91	410
VSUN405-72BMH-DG/ VSUN405-72BMH	49.9	10.37	41.2	9.83	405
VSUN400-72BMH-DG/ VSUN400-72BMH	49.7	10.28	41.0	9.76	400
VSUN395-72BMH-DG/ VSUN395-72BMH	49.5	10.2	40.8	9.69	395
VSUN390-72BMH-DG/ VSUN390-72BMH	49.3	10.11	40.6	9.61	390
VSUN385-72BMH-DG/ VSUN385-72BMH	49.0	10.03	40.4	9.53	385
VSUN380-72BMH-DG/ VSUN380-72BMH	48.8	9.94	40.2	9.46	380
VSUN375-72BMH-DG/ VSUN375-72BMH	48.5	9.85	39.9	9.4	375
VSUN370-72BMH-DG/ VSUN370-72BMH	48.2	9.79	39.7	9.32	370
VSUN365-72BMH-DG/ VSUN365-72BMH	47.9	9.72	39.5	9.25	365
VSUN360-72BMH-DG/ VSUN360-72BMH	47.7	9.68	39.2	9.18	360
VSUN355-72BMH-DG/ VSUN355-72BMH	47.6	9.63	39.0	9.11	355
VSUN350-72BMH-DG/ VSUN350-72BMH	47.4	9.57	38.9	9.01	350
VSUNxxx-60BMH-DG(VSUNxxx-60BMH) (xxx=295-335, in steps of 5)					
VSUN335-60BMH-DG/ VSUN335-60BMH	41.8	10.25	35.3	9.50	335
VSUN330-60BMH-DG/ VSUN330-60BMH	41.5	10.17	35.1	9.41	330
VSUN325-60BMH-DG/ VSUN325-60BMH	41.2	10.08	34.9	9.32	325
VSUN320-60BMH-DG/ VSUN320-60BMH	41.0	9.98	34.7	9.23	320
VSUN315-60BMH-DG/ VSUN315-60BMH	40.8	9.87	34.5	9.14	315
VSUN310-60BMH-DG/ VSUN310-60BMH	40.5	9.82	34.2	9.08	310
VSUN305-60BMH-DG/ VSUN305-60BMH	40.2	9.76	33.9	9.02	305
VSUN300-60BMH-DG/ VSUN300-60BMH	40.0	9.66	33.5	8.97	300
VSUN295-60BMH-DG/ VSUN295-60BMH	39.8	9.57	33.2	8.89	295
VSUNxxx-144BMH-DG(VSUNxxx-144BMH) (xxx=380-470, in steps of 5), for 156.75~166mm cell only					
VSUN470-144BMH-DG/ VSUN470-144BMH	50.2	11.83	42.0	11.20	470
VSUN465-144BMH-DG/ VSUN465-144BMH	50.0	11.75	41.8	11.13	465
VSUN460-144BMH-DG/ VSUN460-144BMH	49.8	11.67	41.6	11.06	460
VSUN455-144BMH-DG/ VSUN455-144BMH	49.6	11.60	41.4	11.00	455
VSUN450-144BMH-DG/ VSUN450-144BMH	49.4	11.52	41.2	10.93	450
VSUN445-144BMH-DG/ VSUN445-144BMH	49.2	11.44	41.0	10.86	445
VSUN440-144BMH-DG/ VSUN440-144BMH	49.0	11.36	40.8	10.79	440
VSUN435-144BMH-DG/ VSUN435-144BMH	48.8	11.28	40.6	10.72	435



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VSUN430-144BMH-DG/	VSUN430-144BMH	48.6	11.20	40.4	10.65	430
VSUN425-144BMH-DG/	VSUN425-144BMH	48.4	11.13	40.2	10.58	425
VSUN420-144BMH-DG/	VSUN420-144BMH	48.2	11.05	40.0	10.51	420
VSUN415-144BMH-DG/	VSUN415-144BMH	49.0	10.71	40.9	10.15	415
VSUN410-144BMH-DG/	VSUN410-144BMH	48.8	10.63	40.7	10.08	410
VSUN405-144BMH-DG/	VSUN405-144BMH	49.7	10.36	41.2	9.84	405
VSUN400-144BMH-DG/	VSUN400-144BMH	49.5	10.27	41.0	9.76	400
VSUN395-144BMH-DG/	VSUN395-144BMH	49.3	10.19	40.8	9.69	395
VSUN390-144BMH-DG/	VSUN390-144BMH	49.1	10.11	40.6	9.61	390
VSUN385-144BMH-DG/	VSUN385-144BMH	48.9	10.02	40.4	9.54	385
VSUN380-144BMH-DG/	VSUN380-144BMH	48.7	9.94	40.2	9.47	380
VSUNxxx-120BMH-DG(VSUNxxx-120BMH) (xxx=325-390, in steps of 5), for 156.75~166mm cell only						
VSUN390-120BMH-DG/	VSUN390-120BMH	42.2	11.55	35.4	11.02	390
VSUN385-120BMH-DG/	VSUN385-120BMH	42.0	11.47	35.2	10.94	385
VSUN380-120BMH-DG/	VSUN380-120BMH	41.8	11.40	35.0	10.86	380
VSUN375-120BMH-DG/	VSUN375-120BMH	41.6	11.32	34.8	10.78	375
VSUN370-120BMH-DG/	VSUN370-120BMH	41.4	11.26	34.5	10.72	370
VSUN365-120BMH-DG/	VSUN365-120BMH	41.1	11.19	34.3	10.66	365
VSUN360-120BMH-DG/	VSUN360-120BMH	40.8	11.12	34.0	10.59	360
VSUN355-120BMH-DG/	VSUN355-120BMH	40.4	11.06	33.7	10.53	355



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VSUN350-120BMH-DG/ VSUN350-120BMH	40.1	11.00	33.4	10.48	350
VSUN345-120BMH-DG/ VSUN345-120BMH	39.9	10.93	33.2	10.40	345
VSUN340-120BMH-DG/ VSUN340-120BMH	41.1	10.55	33.8	10.07	340
VSUN335-120BMH-DG/ VSUN335-120BMH	40.9	10.45	33.6	9.98	335
VSUN330-120BMH-DG/ VSUN330-120BMH	40.7	10.37	33.4	9.89	330
VSUN325-120BMH-DG/ VSUN325-120BMH	40.5	10.28	33.2	9.80	325
VSUNxxx-72MH (72MH-BB/72MH-BW/72M/72M-BW/72M-BB) (xxx=330-420, in steps of 5)					
VSUN420-72MH/72MH-BB/72MH-BW/72M/72M-BW/72M-BB	50.2	10.66	41.6	10.1	420
VSUN415-72MH/72MH-BB/72MH-BW/72M/72M-BW/72M-BB	50.0	10.58	41.4	10.03	415
VSUN410-72MH/72MH-BB/72MH-BW/72M/72M-BW/72M-BB	49.7	10.51	41.2	9.96	410
VSUN405-72MH/72MH-BB/72MH-BW/72M/72M-BW/72M-BB	49.5	10.43	41	9.88	405
VSUN400-72MH/72MH-BB/72MH-BW/72M/72M-BW/72M-BB	49.3	10.35	40.8	9.81	400
VSUN395-72MH/72MH-BB/72MH-BW/72M/72M-BW/72M-BB	49.1	10.27	40.6	9.74	395
VSUN390-72MH/72MH-BB/72MH-BW/72M/72M-BW/72M-BB	48.9	10.18	40.4	9.66	390
VSUN385-72MH/72MH-BB/72MH-BW/72M/72M-BW/72M-BB	48.7	10.09	40.2	9.58	385
VSUN380-72MH/72MH-BB/72MH-BW/72M/72M-BW/72M-BB	48.5	10.01	40	9.51	380
VSUN375-72MH/72MH-BB/72MH-BW/72M/72M-BW/72M-BB	48.3	9.92	39.8	9.43	375
VSUN370-72MH/72MH-BB/72MH-BW/72M/72M-BW/72M-BB	48.1	9.83	39.6	9.35	370
VSUN365-72MH/72MH-BB/72MH-BW/72M/72M-BW/72M-BB	47.9	9.75	39.4	9.27	365
VSUN360-72MH/72MH-BB/72MH-BW/72M/72M-BW/72M-BB	47.7	9.67	39.2	9.19	360



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
VSUN355-72MH/72MH-BB/72MH-BW/72M/72M-BW/72M-BB	47.5	9.58	39	9.11	355
VSUN350-72MH/72MH-BB/72MH-BW/72M/72M-BW/72M-BB	47.3	9.49	38.8	9.03	350
VSUN345-72MH/72MH-BB/72MH-BW/72M/72M-BW/72M-BB	47.1	9.4	38.6	8.94	345
VSUN340-72MH/72MH-BB/72MH-BW/72M/72M-BW/72M-BB	46.9	9.31	38.3	8.88	340
VSUN335-72MH/72MH-BB/72MH-BW/72M/72M-BW/72M-BB	46.7	9.23	38.1	8.8	335
VSUN330-72MH/72MH-BB/72MH-BW/72M/72M-BW/72M-BB	46.5	9.15	37.9	8.72	330
VSUNxxx-72PH (72PH-BW/72P/72P-BW/72P-BB) (xxx=310-355, in steps of 5)					
VSUN355-72PH (72PH-BW/72P/72P-BW/72P-BB)	46.8	9.79	38.5	9.23	355
VSUN350-72PH (72PH-BW/72P/72P-BW/72P-BB)	46.6	9.71	38.3	9.15	350
VSUN345-72PH (72PH-BW/72P/72P-BW/72P-BB)	46.5	9.6	38.2	9.04	345
VSUN340-72PH (72PH-BW/72P/72P-BW/72P-BB)	46.3	9.5	38.1	8.94	340
VSUN335-72PH (72PH-BW/72P/72P-BW/72P-BB)	46.2	9.37	38	8.84	335
VSUN330-72PH (72PH-BW/72P/72P-BW/72P-BB)	46.1	9.28	37.8	8.75	330
VSUN325-72PH (72PH-BW/72P/72P-BW/72P-BB)	46	9.19	37.6	8.66	325
VSUN320-72PH (72PH-BW/72P/72P-BW/72P-BB)	45.9	9.1	37.3	8.57	320
VSUN315-72PH (72PH-BW/72P/72P-BW/72P-BB)	45.7	9.01	37.1	8.48	315
VSUN310-72PH (72PH-BW/72P/72P-BW/72P-BB)	45.6	8.91	37	8.39	310
VSUNxxx-60MH(60MH-BB/60MH-BW/60M/60M-BW/60M-BB) (xxx=275-355, in steps of 5)					
VSUN355-60MH(60MH-BB/60MH-BW/60M/60M-BW/60M-BB)	42	10.79	34.8	10.21	355
VSUN350-60MH(60MH-BB/60MH-BW/60M/60M-BW/60M-BB)	41.8	10.68	34.6	10.12	350
VSUN345-60MH(60MH-BB/60MH-BW/60M/60M-BW/60M-BB)	41.6	10.59	34.4	10.03	345



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VSUN340-60MH(60MH-BB/60MH-BW/60M/60M-BW/60M-BB)	41.4	10.49	34.2	9.95	340
VSUN335-60MH(60MH-BB/60MH-BW/60M/60M-BW/60M-BB)	41.2	10.41	34	9.86	335
VSUN330-60MH(60MH-BB/60MH-BW/60M/60M-BW/60M-BB)	40.9	10.34	33.8	9.77	330
VSUN325-60MH(60MH-BB/60MH-BW/60M/60M-BW/60M-BB)	40.7	10.24	33.6	9.68	325
VSUN320-60MH(60MH-BB/60MH-BW/60M/60M-BW/60M-BB)	40.6	10.12	33.4	9.59	320
VSUN315-60MH(60MH-BB/60MH-BW/60M/60M-BW/60M-BB)	40.4	10.01	33.2	9.49	315
VSUN310-60MH(60MH-BB/60MH-BW/60M/60M-BW/60M-BB)	40.2	9.92	33	9.4	310
VSUN305-60MH(60MH-BB/60MH-BW/60M/60M-BW/60M-BB)	40	9.83	32.8	9.3	305
VSUN300-60MH(60MH-BB/60MH-BW/60M/60M-BW/60M-BB)	39.8	9.74	32.6	9.21	300
VSUN295-60MH(60MH-BB/60MH-BW/60M/60M-BW/60M-BB)	39.6	9.65	32.4	9.11	295
VSUN290-60MH(60MH-BB/60MH-BW/60M/60M-BW/60M-BB)	39.4	9.57	32.2	9.02	290
VSUN285-60MH(60MH-BB/60MH-BW/60M/60M-BW/60M-BB)	39.2	9.49	32	8.91	285
VSUN280-60MH(60MH-BB/60MH-BW/60M/60M-BW/60M-BB)	39	9.41	31.8	8.83	280
VSUN275-60MH(60MH-BB/60MH-BW/60M/60M-BW/60M-BB)	38.8	9.31	31.5	8.75	275
VSUNxxx-60PH(60PH-BW/60P/60P-BW/60P-BB) (xxx=260-295, in steps of 5)					
VSUN295-60PH(60PH-BW/60P/60P-BW/60P-BB)	38.8	9.64	32.1	9.19	295
VSUN290-60PH(60PH-BW/60P/60P-BW/60P-BB)	38.7	9.56	31.8	9.12	290
VSUN285-60PH(60PH-BW/60P/60P-BW/60P-BB)	38.6	9.49	31.6	9.02	285
VSUN280-60PH(60PH-BW/60P/60P-BW/60P-BB)	38.5	9.36	31.4	8.91	280
VSUN275-60PH(60PH-BW/60P/60P-BW/60P-BB)	38.4	9.27	31.3	8.79	275



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VSUN270-60PH(60PH-BW/60P/60P-BW/60P-BB)	38.3	9.19	31.2	8.67	270
VSUN265-60PH(60PH-BW/60P/60P-BW/60P-BB)	38.2	9.1	31	8.55	265
VSUN260-60PH(60PH-BW/60P/60P-BW/60P-BB)	38.1	9.01	30.9	8.43	260
VSUNxxx-54MH(54MH-BB/54MH-BW/54M/54M-BW/54M-BB) (xxx=250-315, in steps of 5)					
VSUN315-54MH(54MH-BB/54MH-BW/54M/54M-BW/54M-BB)	37.5	10.69	30.8	10.23	315
VSUN310-54MH(54MH-BB/54MH-BW/54M/54M-BW/54M-BB)	37.3	10.59	30.6	10.14	310
VSUN305-54MH(54MH-BB/54MH-BW/54M/54M-BW/54M-BB)	37.1	10.46	30.4	10.04	305
VSUN300-54MH(54MH-BB/54MH-BW/54M/54M-BW/54M-BB)	36.9	10.35	30.2	9.94	300
VSUN295-54MH(54MH-BB/54MH-BW/54M/54M-BW/54M-BB)	36.7	10.19	30	9.84	295
VSUN290-54MH(54MH-BB/54MH-BW/54M/54M-BW/54M-BB)	36.5	10.08	29.8	9.74	290
VSUN285-54MH(54MH-BB/54MH-BW/54M/54M-BW/54M-BB)	36.3	9.96	29.6	9.63	285
VSUN280-54MH(54MH-BB/54MH-BW/54M/54M-BW/54M-BB)	36.1	9.85	29.4	9.53	280
VSUN275-54MH(54MH-BB/54MH-BW/54M/54M-BW/54M-BB)	35.9	9.74	29.2	9.43	275
VSUN270-54MH(54MH-BB/54MH-BW/54M/54M-BW/54M-BB)	35.8	9.61	29	9.32	270
VSUN265-54MH(54MH-BB/54MH-BW/54M/54M-BW/54M-BB)	35.6	9.5	28.8	9.18	265
VSUN260-54MH(54MH-BB/54MH-BW/54M/54M-BW/54M-BB)	35.4	9.41	28.6	9.07	260
VSUN255-54MH(54MH-BB/54MH-BW/54M/54M-BW/54M-BB)	35.3	9.33	28.5	8.97	255
VSUN250-54MH(54MH-BB/54MH-BW/54M/54M-BW/54M-BB)	35.1	9.21	28.3	8.86	250
VSUNxxx-54PH(54PH-BW/54P/54P-BW/54P-BB) (xxx=235-265, in steps of 5)					
VSUN265-54PH(54PH-BW/54P/54P-BW/54P-BB)	34.8	9.54	28.5	9.3	265
VSUN260-54PH(54PH-BW/54P/54P-BW/54P-BB)	34.6	9.43	28.3	9.19	260



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
VSUN255-54PH(54PH-BW/54P/54P-BW/54P-BB)	34.8	9.36	28.1	9.08	255
VSUN250-54PH(54PH-BW/54P/54P-BW/54P-BB)	34.6	9.24	27.8	8.99	250
VSUN245-54PH(54PH-BW/54P/54P-BW/54P-BB)	34.3	9.16	27.6	8.88	245
VSUN240-54PH(54PH-BW/54P/54P-BW/54P-BB)	34	9.05	27.3	8.79	240
VSUN235-54PH(54PH-BW/54P/54P-BW/54P-BB)	33.8	8.97	27.2	8.63	235
VSUNxxx-48MH(48MH-BB/48MH-BW/48M/48M-BW/48M-BB) (xxx=220-280, in steps of 5)					
VSUN260-48MH(48MH-BB/48MH-BW/48M/48M-BW/48M-BB)	33.4	10.67	27.5	10.19	280
VSUN260-48MH(48MH-BB/48MH-BW/48M/48M-BW/48M-BB)	33.2	10.55	27.3	10.08	275
VSUN260-48MH(48MH-BB/48MH-BW/48M/48M-BW/48M-BB)	32.9	10.46	27.1	9.97	270
VSUN265-48MH(48MH-BB/48MH-BW/48M/48M-BW/48M-BB)	32.7	10.32	26.8	9.89	265
VSUN260-48MH(48MH-BB/48MH-BW/48M/48M-BW/48M-BB)	32.5	10.18	26.6	9.78	260
VSUN255-48MH(48MH-BB/48MH-BW/48M/48M-BW/48M-BB)	32.3	10.06	26.4	9.66	255
VSUN250-48MH(48MH-BB/48MH-BW/48M/48M-BW/48M-BB)	32.1	9.95	26.2	9.55	250
VSUN245-48MH(48MH-BB/48MH-BW/48M/48M-BW/48M-BB)	31.9	9.83	25.9	9.46	245
VSUN240-48MH(48MH-BB/48MH-BW/48M/48M-BW/48M-BB)	31.8	9.75	25.7	9.34	240
VSUN235-48MH(48MH-BB/48MH-BW/48M/48M-BW/48M-BB)	31.6	9.66	25.5	9.22	235
VSUN230-48MH(48MH-BB/48MH-BW/48M/48M-BW/48M-BB)	31.4	9.51	25.4	9.08	230
VSUN225-48MH(48MH-BB/48MH-BW/48M/48M-BW/48M-BB)	31.2	9.38	25.2	8.93	225
VSUN220-48MH(48MH-BB/48MH-BW/48M/48M-BW/48M-BB)	31	9.27	25	8.81	220
VSUNxxx-48PH(48PH-BW/48P/48P-BW/48P-BB) (xxx=210-235, in steps of 5)					
VSUN235-48PH(48PH-BW/48P/48P-BW/48P-BB)	30.7	9.46	25.5	9.22	235



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
VSUN230-48PH(48PH-BW/48P/48P-BW/48P-BB)	31.4	9.34	25.3	9.1	230
VSUN225-48PH(48PH-BW/48P/48P-BW/48P-BB)	31.2	9.21	25.1	8.97	225
VSUN220-48PH(48PH-BW/48P/48P-BW/48P-BB)	31.1	9.13	24.7	8.9	220
VSUN215-48PH(48PH-BW/48P/48P-BW/48P-BB)	30.8	9.01	24.5	8.78	215
VSUN210-48PH(48PH-BW/48P/48P-BW/48P-BB)	30.6	8.94	24.3	8.69	210
VSUNxxx-36MH(36MH-BB/36MH-BW/36M/36M-BW/36M-BB) (xxx=165-210, in steps of 5)					
VSUN210-36MH(36MH-BB/36MH-BW/36M/36M-BW/36M-BB)	25.4	10.49	20.7	10.15	210
VSUN205-36MH(36MH-BB/36MH-BW/36M/36M-BW/36M-BB)	25.1	10.36	20.5	10.01	205
VSUN200-36MH(36MH-BB/36MH-BW/36M/36M-BW/36M-BB)	24.8	10.23	20.2	9.91	200
VSUN195-36MH(36MH-BB/36MH-BW/36M/36M-BW/36M-BB)	24.5	10.08	19.9	9.8	195
VSUN190-36MH(36MH-BB/36MH-BW/36M/36M-BW/36M-BB)	24.3	9.98	19.6	9.7	190
VSUN185-36MH(36MH-BB/36MH-BW/36M/36M-BW/36M-BB)	23.9	9.88	19.4	9.54	185
VSUN180-36MH(36MH-BB/36MH-BW/36M/36M-BW/36M-BB)	23.8	9.82	19.2	9.44	180
VSUN175-36MH(36MH-BB/36MH-BW/36M/36M-BW/36M-BB)	23.7	9.73	18.9	9.32	175
VSUN170-36MH(36MH-BB/36MH-BW/36M/36M-BW/36M-BB)	23.5	9.66	18.6	9.22	170
VSUN165-36MH(36MH-BB/36MH-BW/36M/36M-BW/36M-BB)	23.3	9.55	18.3	9.11	165
VSUNxxx-36PH(36PH-BW/36P/36P-BW/36P-BB) (xxx=155-175, in steps of 5)					
VSUN175-36PH(36PH-BW/36P/36P-BW/36P-BB)	23	9.52	19.2	9.12	175
VSUN170-36PH(36PH-BW/36P/36P-BW/36P-BB)	22.8	9.43	18.9	8.99	170
VSUN165-36PH(36PH-BW/36P/36P-BW/36P-BB)	22.6	9.34	18.6	8.87	165
VSUN160-36PH(36PH-BW/36P/36P-BW/36P-BB)	22.5	9.21	18.4	8.7	160



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VSUN155-36PH(36PH-BW/36P/36P-BW/36P-BB)	22.4	9.08	18.2	8.52	155
VSUNxxx-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB) (xxx=360-480, in steps of 5), for 156.75~166mm cell only					
VSUN480-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	51.2	11.95	42.6	11.27	480
VSUN475-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	51.0	11.88	42.4	11.21	475
VSUN470-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	50.8	11.81	42.2	11.14	470
VSUN465-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	50.6	11.74	42.0	11.08	465
VSUN460-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	50.4	11.67	41.8	11.01	460
VSUN455-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	50.2	11.59	41.6	10.94	455
VSUN450-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	50.0	11.5	41.4	10.87	450
VSUN445-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	49.8	11.42	41.2	10.81	445
VSUN440-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	49.6	11.34	41.0	10.74	440
VSUN435-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	49.4	11.26	40.8	10.67	435
VSUN430-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	49.2	11.19	40.6	10.60	430
VSUN425-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	49.0	11.11	40.4	10.52	425
VSUN420-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	49.8	10.73	41.5	10.13	420
VSUN415-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	49.6	10.64	41.3	10.05	415
VSUN410-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	49.4	10.56	41.1	9.98	410
VSUN405-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	49.1	10.48	40.9	9.91	405
VSUN400-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	48.9	10.39	40.7	9.83	400
VSUN395-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	48.7	10.31	40.5	9.76	395



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VSUN390-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	48.5	10.22	40.3	9.68	390
VSUN385-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	48.4	10.12	40.2	9.59	385
VSUN380-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	48.1	10.06	39.9	9.53	380
VSUN375-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	47.8	10	39.6	9.47	375
VSUN370-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	47.5	9.94	39.3	9.42	370
VSUN365-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	47.2	9.88	39.1	9.35	365
VSUN360-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	46.9	9.82	38.9	9.28	360
VSUNxxx-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB) (xxx=510-580, in steps of 5), for 182mm cell only					
VSUN580-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	50.60	14.50	42.73	13.58	580
VSUN575-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	50.50	14.41	42.60	13.50	575
VSUN570-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	50.36	14.33	42.48	13.42	570
VSUN565-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	50.25	14.25	42.34	13.35	565
VSUN560-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	50.14	14.16	42.24	13.26	560
VSUN555-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	50.04	14.07	42.15	13.17	555
VSUN550-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	49.92	13.99	42.00	13.10	550
VSUN545-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	49.81	13.92	41.80	13.04	545
VSUN540-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	49.65	13.85	41.65	12.97	540
VSUN535-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	49.50	13.78	41.50	12.90	535
VSUN530-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	49.35	13.71	41.35	12.82	530
VSUN525-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	49.22	13.63	41.22	12.74	525



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VSUN520-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	49.11	13.53	41.11	12.65	520
VSUN515-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	49.00	13.45	41.02	12.56	515
VSUN510-144MH(144MH-BB/144MH-BW/144M/144M-BW/144M-BB)	48.85	13.37	40.91	12.47	510
VSUNxxx-132MH(132MH-BB/132MH-BW/132M/132M-BW/132M-BB) (xxx=355-385, in steps of 5), for 156.75~166mm cell only					
VSUN385-132MH(132MH-BB/132MH-BW/132M/132M-BW/132M-BB)	46	10.75	37.9	10.16	385
VSUN380-132MH(132MH-BB/132MH-BW/132M/132M-BW/132M-BB)	45.8	10.66	37.7	10.08	380
VSUN375-132MH(132MH-BB/132MH-BW/132M/132M-BW/132M-BB)	45.6	10.54	37.5	10.01	375
VSUN370-132MH(132MH-BB/132MH-BW/132M/132M-BW/132M-BB)	45.4	10.43	37.3	9.92	370
VSUN365-132MH(132MH-BB/132MH-BW/132M/132M-BW/132M-BB)	45.2	10.31	37.1	9.84	365
VSUN360-132MH(132MH-BB/132MH-BW/132M/132M-BW/132M-BB)	45.0	10.2	36.9	9.77	360
VSUN355-132MH(132MH-BB/132MH-BW/132M/132M-BW/132M-BB)	44.8	10.11	36.7	9.68	355
VSUNxxx-132MH(132MH-BB/132MH-BW/132M/132M-BW/132M-BB) (xxx=475-520, in steps of 5), for 182mm cell only					
VSUN520-132MH(132MH-BB/132MH-BW/132M/132M-BW/132M-BB)	46.08	14.23	38.99	13.34	520
VSUN515-132MH(132MH-BB/132MH-BW/132M/132M-BW/132M-BB)	45.92	14.16	38.84	13.26	515
VSUN510-132MH(132MH-BB/132MH-BW/132M/132M-BW/132M-BB)	45.76	14.09	38.77	13.17	510
VSUN505-132MH(132MH-BB/132MH-BW/132M/132M-BW/132M-BB)	45.6	14	38.6	13.09	505
VSUN500-132MH(132MH-BB/132MH-BW/132M/132M-BW/132M-BB)	45.4	13.93	38.4	13.03	500
VSUN495-132MH(132MH-BB/132MH-BW/132M/132M-BW/132M-BB)	45.2	13.85	38.2	12.96	495
VSUN490-132MH(132MH-BB/132MH-BW/132M/132M-BW/132M-BB)	45	13.78	38	12.9	490
VSUN485-132MH(132MH-BB/132MH-BW/132M/132M-BW/132M-BB)	44.8	13.71	37.8	12.84	485



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VSUN480-132MH(132MH-BB/132MH-BW/132M/132M-BW/132M-BB)	44.64	13.62	37.63	12.76	480
VSUN475-132MH(132MH-BB/132MH-BW/132M/132M-BW/132M-BB)	44.47	13.54	37.47	12.68	475
VSUNxxx-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB) (xxx=310-400, in steps of 5), for 156.75~166mm cell only					
VSUN400-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	42.1	12.05	35.6	11.24	400
VSUN395-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	41.9	11.96	35.4	11.16	395
VSUN390-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	41.7	11.87	35.2	11.08	390
VSUN385-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	41.5	11.78	35.0	11.00	385
VSUN380-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	41.3	11.69	34.8	10.92	380
VSUN375-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	41.1	11.60	34.6	10.84	375
VSUN370-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	40.9	11.52	34.4	10.76	370
VSUN365-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	40.7	11.43	34.2	10.68	365
VSUN360-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	40.5	11.35	34.0	10.59	360
VSUN355-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	40.3	11.26	33.8	10.51	355
VSUN350-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	41.4	10.78	34.5	10.15	350
VSUN345-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	41.2	10.69	34.3	10.06	345
VSUN340-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	41.0	10.52	34.1	9.98	340
VSUN335-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	40.8	10.42	33.9	9.89	335
VSUN330-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	40.6	10.35	33.7	9.8	330
VSUN325-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	40.4	10.28	33.5	9.71	325
VSUN320-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	40.2	10.17	33.3	9.61	320



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VSUN315-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	39.9	10.08	33.1	9.52	315
VSUN310-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	39.6	9.98	32.8	9.46	310
VSUNxxx-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB) (xxx=430-470, in steps of 5), for 182mm cell only					
VSUN470-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	42.81	13.86	35.69	13.17	470
VSUN465-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	42.65	13.79	35.56	13.08	465
VSUN460-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	42.50	13.71	35.40	13.00	460
VSUN455-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	42.30	13.63	35.20	12.93	455
VSUN450-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	42.10	13.56	35.00	12.86	450
VSUN445-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	41.90	13.48	34.80	12.79	445
VSUN440-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	41.70	13.41	34.60	12.72	440
VSUN435-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	41.52	13.33	34.45	12.63	435
VSUN430-120MH(120MH-BB/120MH-BW/120M/120M-BW/120M-BB)	41.34	13.25	34.30	12.54	430
VSUNxxx-108MH(108MH-BB/108MH-BW/108M/108M-BW/108M-BB) (xxx=390-410, in steps of 5), for 182mm cell only					
VSUN410-108MH(108MH-BB/108MH-BW/108M/108M-BW/108M-BB)	37.54	13.86	31.55	13	410
VSUN405-108MH(108MH-BB/108MH-BW/108M/108M-BW/108M-BB)	37.36	13.78	31.36	12.92	405
VSUN400-108MH(108MH-BB/108MH-BW/108M/108M-BW/108M-BB)	37.2	13.68	31.17	12.84	400
VSUN395-108MH(108MH-BB/108MH-BW/108M/108M-BW/108M-BB)	37.03	13.59	31	12.75	395
VSUN390-108MH(108MH-BB/108MH-BW/108M/108M-BW/108M-BB)	36.84	13.5	30.82	12.66	390
VSUNxxx-96MH/ VSUNxxx-96MH-BB/ VSUNxxx-96MH-BW (xxx=350-375, in steps of 5), for 182mm cell only					
VSUN375-96MH/VSUN375-96MH-BW/VSUN375-96MH-BB	33.74	14.01	28.46	13.18	375



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VSUN370-96MH/VSUN370-96MH-BW/VSUN370-96MH-BB	33.55	13.93	28.27	13.09	370
VSUN365-96MH/VSUN365-96MH-BW/VSUN365-96MH-BB	33.36	13.86	28.06	13.01	365
VSUN360-96MH/VSUN360-96MH-BW/VSUN360-96MH-BB	33.23	13.78	27.89	12.93	360
VSUN355-96MH/VSUN355-96MH-BW/VSUN355-96MH-BB	33.09	13.68	27.70	12.84	355
VSUN350-96MH/VSUN350-96MH-BW/VSUN350-96MH-BB	32.95	13.59	27.53	12.74	350
VSUNxxx-150MH(150MH-BW/150M/150M-BW/150M-BB) (xxx=480-535, in steps of 5) , for 210mm cell only					
VSUN535-150MH(150MH-BW/150M/150M-BW/150M-BB)	53.1	12.77	44.2	12.11	535
VSUN530-150MH(150MH-BW/150M/150M-BW/150M-BB)	52.9	12.7	44	12.05	530
VSUN525-150MH(150MH-BW/150M/150M-BW/150M-BB)	52.7	12.63	43.8	11.99	525
VSUN520-150MH(150MH-BW/150M/150M-BW/150M-BB)	52.5	12.56	43.6	11.93	520
VSUN515-150MH(150MH-BW/150M/150M-BW/150M-BB)	52.3	12.49	43.4	11.87	515
VSUN510-150MH(150MH-BW/150M/150M-BW/150M-BB)	52.1	12.42	43.2	11.81	510
VSUN505-150MH(150MH-BW/150M/150M-BW/150M-BB)	51.9	12.35	43	11.75	505
VSUN500-150MH(150MH-BW/150M/150M-BW/150M-BB)	51.7	12.28	42.8	11.69	500
VSUN495-150MH(150MH-BW/150M/150M-BW/150M-BB)	51.5	12.21	42.6	11.63	495
VSUN490-150MH(150MH-BW/150M/150M-BW/150M-BB)	51.3	12.14	42.4	11.56	490
VSUN485-150MH(150MH-BW/150M/150M-BW/150M-BB)	51.1	12.07	42.2	11.49	485
VSUN480-150MH(150MH-BW/150M/150M-BW/150M-BB)	50.8	11.99	42	11.42	480
VSUNxxx-156MH(156MH-BB/156MH-BW/156M/156M-BW/156M-BB) (xxx=425-500, in steps of 5) , for 156.75~166mm cell only					
VSUN500-156MH(156MH-BB/156MH-BW/156M/156M-BW/156M-BB)	53.7	11.69	45.1	11.09	500



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VSUN495-156MH(156MH-BB/156MH-BW/156M/156M-BW/156M-BB)	53.5	11.63	44.9	11.03	495
VSUN490-156MH(156MH-BB/156MH-BW/156M/156M-BW/156M-BB)	53.3	11.56	44.7	10.97	490
VSUN485-156MH(156MH-BB/156MH-BW/156M/156M-BW/156M-BB)	53.1	11.48	44.5	10.9	485
VSUN480-156MH(156MH-BB/156MH-BW/156M/156M-BW/156M-BB)	52.9	11.41	44.3	10.84	480
VSUN475-156MH(156MH-BB/156MH-BW/156M/156M-BW/156M-BB)	52.7	11.34	44.1	10.78	475
VSUN470-156MH(156MH-BB/156MH-BW/156M/156M-BW/156M-BB)	52.5	11.29	43.9	10.71	470
VSUN465-156MH(156MH-BB/156MH-BW/156M/156M-BW/156M-BB)	52.3	11.24	43.7	10.65	465
VSUN460-156MH(156MH-BB/156MH-BW/156M/156M-BW/156M-BB)	54.8	10.7	45.9	10.03	460
VSUN455-156MH(156MH-BB/156MH-BW/156M/156M-BW/156M-BB)	54.6	10.62	45.7	9.96	455
VSUN450-156MH(156MH-BB/156MH-BW/156M/156M-BW/156M-BB)	54.4	10.54	45.5	9.89	450
VSUN445-156MH(156MH-BB/156MH-BW/156M/156M-BW/156M-BB)	54.2	10.47	45.3	9.83	445
VSUN440-156MH(156MH-BB/156MH-BW/156M/156M-BW/156M-BB)	54	10.4	45.1	9.76	440
VSUN435-156MH(156MH-BB/156MH-BW/156M/156M-BW/156M-BB)	53.8	10.31	44.9	9.69	435
VSUN430-156MH(156MH-BB/156MH-BW/156M/156M-BW/156M-BB)	53.6	10.22	44.7	9.62	430
VSUN425-156MH(156MH-BB/156MH-BW/156M/156M-BW/156M-BB)	53.4	10.13	44.5	9.56	425
VSUNxxx-156BMH (xxx=465-500, in steps of 5), for 156.75~166mm cell only					
VSUN500-156BMH	53.9	11.69	45.1	11.09	500
VSUN495-156BMH	53.7	11.62	44.9	11.03	495
VSUN490-156BMH	53.5	11.55	44.7	10.97	490
VSUN485-156BMH	53.3	11.48	44.5	10.9	485
VSUN480-156BMH	53.1	11.42	44.3	10.84	480
VSUN475-156BMH	52.9	11.35	44.1	10.77	475
VSUN470-156BMH	52.7	11.29	43.9	10.71	470
VSUN465-156BMH	52.5	11.22	43.7	10.64	465
VSUNxxx-132BMH (xxx=400-415, in steps of 5), for 156.75~166mm cell only					



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VSUN415-132BMH	45.5	11.57	37.6	11.04	415
VSUN410-132BMH	45.3	11.5	37.4	10.97	410
VSUN405-132BMH	45.1	11.42	37.2	10.89	405
VSUN400-132BMH	44.9	11.35	37.00	10.82	400
VSUNxxxN-144BMH-DG/VSUNxxxN-144BMH-DG-BW/VSUNxxxN-144BMH-DG-BB/VSUNxxxN-144BMH-DG-BT/VSUNxxxN-144BMH-DG-WT/VSUNxxxN-144BMH/ VSUNxxxN-144BMH-BW/VSUNxxxN-144BMH-BB/VSUNxxxN-144BMH-BT/VSUNxxxN-144BMH-WT (xxx=550-610, in steps of 5), for 182mm cell only					
VSUN610N-144BMH-DG/ VSUN610N-144BMH-DG-BW/ VSUN610N-144BMH-DG-BB/ VSUN610N-144BMH-DG-BT/ VSUN610N-144BMH-DG-WT/ VSUN610N-144BMH/ VSUN610N-144BMH-BW/ VSUN610N-144BMH-BB/ VSUN610N-144BMH-BT/ VSUN610N-144BMH-WT	53.34	14.13	45.32	13.46	610
VSUN605N-144BMH-DG/ VSUN605N-144BMH-DG-BW/ VSUN605N-144BMH-DG-BB/ VSUN605N-144BMH-DG-BT/ VSUN605N-144BMH-DG-WT/ VSUN605N-144BMH/ VSUN605N-144BMH-BW/ VSUN605N-144BMH-BB/ VSUN605N-144BMH-BT/ VSUN605N-144BMH-WT	53.12	14.08	45.12	13.41	605
VSUN600N-144BMH-DG/ VSUN600N-144BMH-DG-BW/ VSUN600N-144BMH-DG-BB/ VSUN600N-144BMH-DG-BT/ VSUN600N-144BMH-DG-WT/ VSUN600N-144BMH/ VSUN600N-144BMH-BW/ VSUN600N-144BMH-BB/ VSUN600N-144BMH-BT/ VSUN600N-144BMH-WT	52.9	14.03	44.92	13.36	600
VSUN595N-144BMH-DG/ VSUN595N-144BMH-DG-BW/ VSUN595N-144BMH-DG-BB/ VSUN595N-144BMH-DG-BT/ VSUN595N-144BMH-DG-WT/ VSUN595N-144BMH/ VSUN595N-144BMH-BW/ VSUN595N-144BMH-BB/ VSUN595N-144BMH-BT/ VSUN595N-144BMH-WT	52.69	13.98	44.71	13.31	595



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VSUN590N-144BMH-DG/ VSUN590N-144BMH-DG-BW/ VSUN590N-144BMH-DG-BB/ VSUN590N-144BMH-DG-BT/ VSUN590N-144BMH-DG-WT/ VSUN590N-144BMH/ VSUN590N-144BMH-BW/ VSUN590N-144BMH-BB/ VSUN590N-144BMH-BT/ VSUN590N-144BMH-WT	52.48	13.93	44.5	13.26	590
VSUN585N-144BMH-DG/ VSUN585N-144BMH-DG-BW/ VSUN585N-144BMH-DG-BB/ VSUN585N-144BMH-DG-BT/ VSUN585N-144BMH-DG-WT/ VSUN585N-144BMH/ VSUN585N-144BMH-BW/ VSUN585N-144BMH-BB/ VSUN585N-144BMH-BT/ VSUN585N-144BMH-WT	52.25	13.88	44.29	13.21	585
VSUN580N-144BMH-DG/ VSUN580N-144BMH-DG-BW/ VSUN580N-144BMH-DG-BB/ VSUN580N-144BMH-DG-BT/ VSUN580N-144BMH-DG-WT/ VSUN580N-144BMH/ VSUN580N-144BMH-BW/ VSUN580N-144BMH-BB/ VSUN580N-144BMH-BT/ VSUN580N-144BMH-WT	52.02	13.83	44.08	13.16	580
VSUN575N-144BMH-DG /VSUN575N-144BMH-DG-BW/ VSUN575N-144BMH-DG-BB/ VSUN575N-144BMH-DG-BT/ VSUN575N-144BMH-DG-WT/ VSUN575N-144BMH/ VSUN575N-144BMH-BW/ VSUN575N-144BMH-BB/ VSUN575N-144BMH-BT/ VSUN575N-144BMH-WT	51.81	13.77	43.86	13.11	575
VSUN570N-144BMH-DG /VSUN570N-144BMH-DG-BW/ VSUN570N-144BMH-DG-BB/ VSUN570N-144BMH-DG-BT/ VSUN570N-144BMH-DG-WT/ VSUN570N-144BMH/ VSUN570N-144BMH-BW/ VSUN570N-144BMH-BB/ VSUN570N-144BMH-BT/ VSUN570N-144BMH-WT	51.58	13.72	43.65	13.06	570
VSUN565N-144BMH-DG /VSUN565N-144BMH-DG-BW/ VSUN565N-144BMH-DG-	51.38	13.66	43.43	13.01	565



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BB/ VSUN565N-144BMH-DG-BT/ VSUN565N-144BMH-DG-WT/ VSUN565N- 144BMH/ VSUN565N-144BMH-BW/ VSUN565N- 144BMH-BB/ VSUN565N-144BMH-BT/ VSUN565N-144BMH-WT					
VSUN560N-144BMH-DG /VSUN560N- 144BMH-DG-BW/ VSUN560N-144BMH-DG- BB/ VSUN560N-144BMH-DG-BT/ VSUN560N-144BMH-DG-WT/ VSUN560N- 144BMH/ VSUN560N-144BMH-BW/ VSUN560N- 144BMH-BB/ VSUN560N-144BMH-BT/ VSUN560N-144BMH-WT	51.16	13.61	43.22	12.96	560
VSUN555N-144BMH-DG/ VSUN555N- 144BMH-DG-BW/ VSUN555N-144BMH-DG- BB/ VSUN555N-144BMH-DG-BT/ VSUN555N-144BMH-DG-WT/ VSUN555N- 144BMH/ VSUN555N-144BMH-BW/ VSUN555N-144BMH-BB/ VSUN555N- 144BMH-BT/ VSUN555N-144BMH-WT	50.95	13.55	43.03	12.9	555
VSUN550N-144BMH-DG /VSUN550N- 144BMH-DG-BW/ VSUN550N-144BMH-DG- BB/ VSUN550N-144BMH-DG-BT/ VSUN550N-144BMH-DG-WT/ VSUN550N- 144BMH/VSUN550N-144BMH-BW/ VSUN550N-144BMH-BB/ VSUN550N- 144BMH-BT/ VSUN550N-144BMH-WT	50.74	13.49	42.84	12.84	550
VSUNxxxN-132BMH-DG/VSUNxxxN-132BMH-DG-BW/VSUNxxxN-132BMH-DG-BB/VSUNxxxN- 132BMH-DG-BT/VSUNxxxN-132BMH-DG-WT/VSUNxxxN-132BMH/ VSUNxxxN-132BMH-BW/ VSUNxxxN-132BMH-BB/VSUNxxxN-132BMH-BT/VSUNxxxN-132BMH-WT (xxx=505-560, in steps of 5), for 182mm cell only					
VSUN560N-132BMH-DG/ VSUN560N- 132BMH-DG-BW/ VSUN560N-132BMH-DG- BB/ VSUN560N-132BMH-DG-BT/ VSUN560N-132BMH-DG-WT/ VSUN560N- 132BMH/ VSUN560N-132BMH-BW/ VSUN560N- 132BMH-BB/ VSUN560N-132BMH-BT/ VSUN560N-132BMH-WT	48.95	14.14	41.64	13.45	560



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VSUN555N-132BMH-DG/ VSUN555N-132BMH-DG-BW/ VSUN555N-132BMH-DG-BB/ VSUN555N-132BMH-DG-BT/ VSUN555N-132BMH-DG-WT/ VSUN555N-132BMH/ VSUN555N-132BMH-BW/ VSUN555N-132BMH-BB/ VSUN555N-132BMH-BT/ VSUN555N-132BMH-WT	48.75	14.08	41.43	13.4	555
VSUN550N-132BMH-DG/ VSUN550N-132BMH-DG-BW/ VSUN550N-132BMH-DG-BB/ VSUN550N-132BMH-DG-BT/ VSUN550N-132BMH-DG-WT/ VSUN550N-132BMH/ VSUN550N-132BMH-BW/ VSUN550N-132BMH-BB/ VSUN550N-132BMH-BT/ VSUN550N-132BMH-WT	48.51	14.03	41.23	13.34	550
VSUN545N-132BMH-DG/ VSUN545N-132BMH-DG-BW/ VSUN545N-132BMH-DG-BB/ VSUN545N-132BMH-DG-BT/ VSUN545N-132BMH-DG-WT/ VSUN545N-132BMH/ VSUN545N-132BMH-BW/ VSUN545N-132BMH-BB/ VSUN545N-132BMH-BT/ VSUN545N-132BMH-WT	48.3	13.97	41.01	13.29	545
VSUN540N-132BMH-DG/ VSUN540N-132BMH-DG-BW/ VSUN540N-132BMH-DG-BB/ VSUN540N-132BMH-DG-BT/ VSUN540N-132BMH-DG-WT/ VSUN540N-132BMH/ VSUN540N-132BMH-BW/ VSUN540N-132BMH-BB/ VSUN540N-132BMH-BT/ VSUN540N-132BMH-WT	48.09	13.91	40.79	13.24	540
VSUN535N-132BMH-DG/ VSUN535N-132BMH-DG-BW/ VSUN535N-132BMH-DG-BB/ VSUN535N-132BMH-DG-BT/ VSUN535N-132BMH-DG-WT/ VSUN535N-132BMH/ VSUN535N-132BMH-BW/ VSUN535N-132BMH-BB/ VSUN535N-132BMH-BT/ VSUN535N-132BMH-WT	47.85	13.86	40.57	13.19	535



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VSUN530N-132BMH-DG/ VSUN530N-132BMH-DG-BW/ VSUN530N-132BMH-DG-BB/ VSUN530N-132BMH-DG-BT/ VSUN530N-132BMH-DG-WT/ VSUN530N-132BMH/ VSUN530N-132BMH-BW/ VSUN530N-132BMH-BB/ VSUN530N-132BMH-BT/ VSUN530N-132BMH-WT	47.63	13.8	40.34	13.14	530
VSUN525N-132BMH-DG/ VSUN525N-132BMH-DG-BW/ VSUN525N-132BMH-DG-BB/ VSUN525N-132BMH-DG-BT/ VSUN525N-132BMH-DG-WT/ VSUN525N-132BMH/ VSUN525N-132BMH-BW/ VSUN525N-132BMH-BB/ VSUN525N-132BMH-BT/ VSUN525N-132BMH-WT	47.41	13.74	40.11	13.09	525
VSUN520N-132BMH-DG/ VSUN520N-132BMH-DG-BW/ VSUN520N-132BMH-DG-BB/ VSUN520N-132BMH-DG-BT/ VSUN520N-132BMH-DG-WT/ VSUN520N-132BMH/ VSUN520N-132BMH-BW/ VSUN520N-132BMH-BB/ VSUN520N-132BMH-BT/ VSUN520N-132BMH-WT	47.19	13.68	39.88	13.04	520
VSUN515N-132BMH-DG/ VSUN515N-132BMH-DG-BW/ VSUN515N-132BMH-DG-BB/ VSUN515N-132BMH-DG-BT/ VSUN515N-132BMH-DG-WT/ VSUN515N-132BMH/ VSUN515N-132BMH-BW/ VSUN515N-132BMH-BB/ VSUN515N-132BMH-BT/ VSUN515N-132BMH-WT	46.94	13.63	39.65	12.99	515
VSUN510N-132BMH-DG/ VSUN510N-132BMH-DG-BW/ VSUN510N-132BMH-DG-BB/ VSUN510N-132BMH-DG-BT/ VSUN510N-132BMH-DG-WT/ VSUN510N-132BMH/ VSUN510N-132BMH-BW/ VSUN510N-132BMH-BB/ VSUN510N-132BMH-BT/ VSUN510N-132BMH-WT	46.69	13.58	39.42	12.94	510



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VSUN505N-132BMH-DG/ VSUN505N-132BMH-DG-BW/ VSUN505N-132BMH-DG-BB/ VSUN505N-132BMH-DG-BT/ VSUN505N-132BMH-DG-WT/ VSUN505N-132BMH/ VSUN505N-132BMH-BW/ VSUN505N-132BMH-BB/ VSUN505N-132BMH-BT/ VSUN505N-132BMH-WT	46.46	13.52	39.18	12.89	505
VSUNxxxN-120BMH-DG/VSUNxxxN-120BMH-DG-BW/VSUNxxxN-120BMH-DG-BB/VSUNxxxN-120BMH-DG-BT/VSUNxxxN-120BMH-DG-WT/VSUNxxxN-120BMH-DGL/VSUNxxxN-120BMH-DGL-BW/VSUNxxxN-120BMH-DGL-BB/VSUNxxxN-120BMH-DGL-BT/VSUNxxxN-120BMH-DGL-WT/VSUNxxxN-120BMH/ VSUNxxxN-120BMH-BW/ VSUNxxxN-120BMH-BB/VSUNxxxN-120BMH-BT/VSUNxxxN-120BMH-WT (xxx=455-510, in steps of 5), for 182mm cell only					
VSUN510N-120BMH-DG/VSUN510N-120BMH-DG-BW/VSUN510N-120BMH-DG-BB/VSUN510N-120BMH-DG-BT/VSUN510N-120BMH-DG-WT/VSUN510N-120BMH-DGL/VSUN510N-120BMH-DGL-BW/VSUN510N-120BMH-DGL-BB/VSUN510N-120BMH-DGL-BT/VSUN510N-120BMH-DGL-WT/VSUN510N-120BMH/ VSUN510N-120BMH-BW/ VSUN510N-120BMH-BB/VSUN510N-120BMH-BT/VSUN510N-120BMH-WT	44.45	14.16	37.84	13.48	510
VSUN505N-120BMH-DG/VSUN505N-120BMH-DG-BW/VSUN505N-120BMH-DG-BB/VSUN505N-120BMH-DG-BT/VSUN505N-120BMH-DG-WT/VSUN505N-120BMH-DGL/VSUN505N-120BMH-DGL-BW/VSUN505N-120BMH-DGL-BB/VSUN505N-120BMH-DGL-BT/VSUN505N-120BMH-DGL-WT/VSUN505N-120BMH/ VSUN505N-120BMH-BW/ VSUN505N-120BMH-BB/VSUN505N-120BMH-BT/VSUN505N-120BMH-WT	44.25	14.1	37.61	13.43	505
VSUN500N-120BMH-DG/VSUN500N-120BMH-DG-BW/VSUN500N-120BMH-DG-BB/VSUN500N-120BMH-DG-BT/VSUN500N-120BMH-DG-	44.01	14.05	37.4	13.37	500



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WT/VSUN500N-120BMH-DGL/VSUN500N-120BMH-DGL-BW/VSUN500N-120BMH-DGL-BB/VSUN500N-120BMH-DGL-BT/VSUN500N-120BMH-DGL-WT/VSUN500N-120BMH/ VSUN500N-120BMH-BW/ VSUN500N-120BMH-BB/VSUN500N-120BMH-BT/VSUN500N-120BMH-WT					
VSUN495N-120BMH-DG/VSUN495N-120BMH-DG-BW/VSUN495N-120BMH-DG-BB/VSUN495N-120BMH-DG-BT/VSUN495N-120BMH-DG-WT/VSUN495N-120BMH-DGL/VSUN495N-120BMH-DGL-BW/VSUN495N-120BMH-DGL-BB/VSUN495N-120BMH-DGL-BT/VSUN495N-120BMH-DGL-WT/VSUN495N-120BMH/ VSUN495N-120BMH-BW/ VSUN495N-120BMH-BB/VSUN495N-120BMH-BT/VSUN495N-120BMH-WT	43.79	13.99	37.17	13.32	495
VSUN490N-120BMH-DG/VSUN490N-120BMH-DG-BW/VSUN490N-120BMH-DG-BB/VSUN490N-120BMH-DG-BT/VSUN490N-120BMH-DG-WT/VSUN490N-120BMH-DGL/VSUN490N-120BMH-DGL-BW/VSUN490N-120BMH-DGL-BB/VSUN490N-120BMH-DGL-BT/VSUN490N-120BMH-DGL-WT/VSUN490N-120BMH/ VSUN490N-120BMH-BW/ VSUN490N-120BMH-BB/VSUN490N-120BMH-BT/VSUN490N-120BMH-WT	43.09	14.42	35.78	13.7	490
VSUN485N-120BMH-DG/VSUN485N-120BMH-DG-BW/VSUN485N-120BMH-DG-BB/VSUN485N-120BMH-DG-BT/VSUN485N-120BMH-DG-WT/VSUN485N-120BMH-DGL/VSUN485N-120BMH-DGL-BW/VSUN485N-120BMH-DGL-BB/VSUN485N-120BMH-DGL-BT/VSUN485N-120BMH-DGL-WT/VSUN485N-120BMH/ VSUN485N-	42.90	14.35	35.61	13.62	485



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120BMH-BW/ VSUN485N-120BMH-BB/VSUN485N-120BMH-BT/VSUN485N-120BMH-WT					
VSUN480N-120BMH-DG/VSUN480N-120BMH-DG-BW/VSUN480N-120BMH-DG-BB/VSUN480N-120BMH-DG-BT/VSUN480N-120BMH-DG-WT/VSUN480N-120BMH-DGL/VSUN480N-120BMH-DGL-BW/VSUN480N-120BMH-DGL-BB/VSUN480N-120BMH-DGL-BT/VSUN480N-120BMH-DGL-WT/VSUN480N-120BMH/ VSUN480N-120BMH-BW/ VSUN480N-120BMH-BB/VSUN480N-120BMH-BT/VSUN480N-120BMH-WT	42.71	14.29	35.42	13.56	480
VSUN475N-120BMH-DG/VSUN475N-120BMH-DG-BW/VSUN475N-120BMH-DG-BB/VSUN475N-120BMH-DG-BT/VSUN475N-120BMH-DG-WT/VSUN475N-120BMH-DGL/VSUN475N-120BMH-DGL-BW/VSUN475N-120BMH-DGL-BB/VSUN475N-120BMH-DGL-BT/VSUN475N-120BMH-DGL-WT/VSUN475N-120BMH/ VSUN475N-120BMH-BW/ VSUN475N-120BMH-BB/VSUN475N-120BMH-BT/VSUN475N-120BMH-WT	42.53	14.23	35.23	13.49	475
VSUN470N-120BMH-DG/VSUN470N-120BMH-DG-BW/VSUN470N-120BMH-DG-BB/VSUN470N-120BMH-DG-BT/VSUN470N-120BMH-DG-WT/VSUN470N-120BMH-DGL/VSUN470N-120BMH-DGL-BW/VSUN470N-120BMH-DGL-BB/VSUN470N-120BMH-DGL-BT/VSUN470N-120BMH-DGL-WT/VSUN470N-120BMH/ VSUN470N-120BMH-BW/ -/VSUN470N-120BMH-BT/VSUN470N-120BMH-WT	42.37	14.15	35.07	13.41	470
VSUN465N-120BMH-DG/VSUN465N-120BMH-DG-BW/VSUN465N-120BMH-DG-BB/VSUN465N-120BMH-DG-	42.21	14.08	34.92	13.32	465



Certificate: 80098025

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Project: 80267948

Date Issued: 2025-09-04

	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
BT/VSUN465N-120BMH-DG- WT/VSUN465N-120BMH-DGL/VSUN465N- 120BMH-DGL-BW/VSUN465N-120BMH- DGL-BB/VSUN465N-120BMH-DGL- BT/VSUN465N-120BMH-DGL- WT/VSUN465N-120BMH/ VSUN465N- 120BMH-BW/ VSUN465N-120BMH- BB/VSUN465N-120BMH-BT/VSUN465N- 120BMH-WT					
VSUN460N-120BMH-DG/VSUN460N- 120BMH-DG-BW/VSUN460N-120BMH-DG- BB/VSUN460N-120BMH-DG- BT/VSUN460N-120BMH-DG- WT/VSUN460N-120BMH-DGL/VSUN460N- 120BMH-DGL-BW/VSUN460N-120BMH- DGL-BB/VSUN460N-120BMH-DGL- BT/VSUN460N-120BMH-DGL- WT/VSUN460N-120BMH/ VSUN460N- 120BMH-BW/ VSUN460N-120BMH- BB/VSUN460N-120BMH-BT/VSUN460N- 120BMH-WT	42.07	13.99	34.76	13.24	460
VSUN455N-120BMH-DG/VSUN455N- 120BMH-DG-BW/VSUN455N-120BMH-DG- BB/VSUN455N-120BMH-DG- BT/VSUN455N-120BMH-DG- WT/VSUN455N-120BMH-DGL/VSUN455N- 120BMH-DGL-BW/VSUN455N-120BMH- DGL-BB/VSUN455N-120BMH-DGL- BT/VSUN455N-120BMH-DGL- WT/VSUN455N-120BMH/ VSUN455N- 120BMH-BW/ VSUN455N-120BMH- BB/VSUN455N-120BMH-BT/VSUN455N- 120BMH-WT	41.91	13.9	34.6	13.16	455
VSUNxxxN-108BMH-DG/VSUNxxxN-108BMH-DG-BW/VSUNxxxN-108BMH-DG-BB/VSUNxxxN- 108BMH-DG-BT/VSUNxxxN-108BMH-DG-WT/VSUNxxxN-108BMH-DGL/VSUNxxxN-108BMH-DGL- BW/VSUNxxxN-108BMH-DGL-BB/VSUNxxxN-108BMH-DGL-BT/VSUNxxxN-108BMH-DGL- WT/VSUNxxxN-108BMH/ VSUNxxxN-108BMH-BW/ VSUNxxxN-108BMH-BB/VSUNxxxN-108BMH- BT/VSUNxxxN-108BMH-WT (xxx=405-460, in steps of 5), for 182mm cell only					
VSUN460N-108BMH-DG/ VSUN460N- 108BMH-DG-BW/ VSUN460N-108BMH-DG- BB/ VSUN460N-108BMH-DG-BT/	40.39	14.08	34.33	13.4	460



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Project: 80267948

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Date Issued: 2025-09-04

	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
VSUN460N-108BMH-DG-WT/ VSUN460N-108BMH/ VSUN460N-108BMH-DGL/ VSUN460N-108BMH-DGL-BW/ VSUN460N-108BMH-DGL-BB/ VSUN460N-108BMH-DGL-BT/ VSUN460N-108BMH-DGL-WT/VSUN460N-108BMH-BW/ VSUN460N-108BMH-BB/ VSUN460N-108BMH-BT/ VSUN460N-108BMH-WT					
VSUN455N-108BMH-DG/ VSUN455N-108BMH-DG-BW/ VSUN455N-108BMH-DG-BB/ VSUN455N-108BMH-DG-BT/ VSUN455N-108BMH-DG-WT/ VSUN455N-108BMH/ VSUN455N-108BMH-DGL/ VSUN455N-108BMH-DGL-BW/ VSUN455N-108BMH-DGL-BB/ VSUN455N-108BMH-DGL-BT/ VSUN455N-108BMH-DGL-WT/VSUN455N-108BMH-BW/ VSUN455N-108BMH-BB/ VSUN455N-108BMH-BT/ VSUN455N-108BMH-WT	40.16	14.02	34.09	13.35	455
VSUN450N-108BMH-DG/ VSUN450N-108BMH-DG-BW/ VSUN450N-108BMH-DG-BB/ VSUN450N-108BMH-DG-BT/ VSUN450N-108BMH-DG-WT/ VSUN450N-108BMH/ VSUN450N-108BMH-DGL/ VSUN450N-108BMH-DGL-BW/ VSUN450N-108BMH-DGL-BB/ VSUN450N-108BMH-DGL-BT/ VSUN450N-108BMH-DGL-WT/VSUN450N-108BMH-BW/ VSUN450N-108BMH-BB/ VSUN450N-108BMH-BT/ VSUN450N-108BMH-WT	39.92	13.96	33.87	13.29	450
VSUN445N-108BMH-DG/ VSUN445N-108BMH-DG-BW/ VSUN445N-108BMH-DG-BB/ VSUN445N-108BMH-DG-BT/ VSUN445N-108BMH-DG-WT/ VSUN445N-108BMH/ VSUN445N-108BMH-DGL/ VSUN445N-108BMH-DGL-BW/ VSUN445N-108BMH-DGL-BB/ VSUN445N-108BMH-DGL-BT/ VSUN445N-108BMH-DGL-WT/VSUN445N-108BMH-BW/ VSUN445N-108BMH-BB/ VSUN445N-108BMH-BT/ VSUN445N-108BMH-WT	39.64	13.9	33.61	13.24	445



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
VSUN440N-108BMH-DG/ VSUN440N-108BMH-DG-BW/ VSUN440N-108BMH-DG-BB/ VSUN440N-108BMH-DG-BT/ VSUN440N-108BMH-DG-WT/ VSUN440N-108BMH/ VSUN440N-108BMH-DGL/ VSUN440N-108BMH-DGL-BW/ VSUN440N-108BMH-DGL-BB/ VSUN440N-108BMH-DGL-BT/ VSUN440N-108BMH-DGL-WT/VSUN440N-108BMH-BW/ VSUN440N-108BMH-BB/ VSUN440N-108BMH-BT/ VSUN440N-108BMH-WT	39.38	13.85	33.37	13.18	440
VSUN435N-108BMH-DG/ VSUN435N-108BMH-DG-BW/ VSUN435N-108BMH-DG-BB/ VSUN435N-108BMH-DG-BT/ VSUN435N-108BMH-DG-WT/ VSUN435N-108BMH/ VSUN435N-108BMH-DGL/ VSUN435N-108BMH-DGL-BW/ VSUN435N-108BMH-DGL-BB/ VSUN435N-108BMH-DGL-BT/ VSUN435N-108BMH-DG-WT/VSUN435N-108BMH-BW/ VSUN435N-108BMH-BB/ VSUN435N-108BMH-BT/ VSUN435N-108BMH-WT	39.12	13.8	33.13	13.13	435
VSUN430N-108BMH-DG/ VSUN430N-108BMH-DG-BW/ VSUN430N-108BMH-DG-BB/ VSUN430N-108BMH-DG-BT/ VSUN430N-108BMH-DG-WT/ VSUN430N-108BMH/ VSUN430N-108BMH-DGL/ VSUN430N-108BMH-DGL-BW/ VSUN430N-108BMH-DGL-BB/ VSUN430N-108BMH-DGL-BT/ VSUN430N-108BMH-DGL-WT/VSUN430N-108BMH-BW/ VSUN430N-108BMH-BB/ VSUN430N-108BMH-BT/ VSUN430N-108BMH-WT	38.84	13.75	32.88	13.08	430
VSUN425N-108BMH-DG/ VSUN425N-108BMH-DG-BW/ VSUN425N-108BMH-DG-BB/ VSUN425N-108BMH-DG-BT/ VSUN425N-108BMH-DG-WT/ VSUN425N-108BMH/ VSUN425N-108BMH-DGL/ VSUN425N-108BMH-DGL-BW/ VSUN425N-108BMH-DGL-BB/ VSUN425N-108BMH-DGL-BT/ VSUN425N-108BMH-DGL-	38.56	13.7	32.64	13.02	425



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
WT/VSUN425N-108BMH-BW/ VSUN425N-108BMH-BB/ VSUN425N-108BMH-BT/ VSUN425N-108BMH-WT					
VSUN420N-108BMH-DG/ VSUN420N-108BMH-DG-BW/ VSUN420N-108BMH-DG-BB/ VSUN420N-108BMH-DG-BT/ VSUN420N-108BMH-DG-WT/ VSUN420N-108BMH/ VSUN420N-108BMH-DGL/ VSUN420N-108BMH-DGL-BW/ VSUN420N-108BMH-DGL-BB/ VSUN420N-108BMH-DGL-BT/ VSUN420N-108BMH-DGL-WT/ VSUN420N-108BMH-BW/ VSUN420N-108BMH-BB/ VSUN420N-108BMH-BT/ VSUN420N-108BMH-WT	38.27	13.65	32.38	12.97	420
VSUN415N-108BMH-DG/ VSUN415N-108BMH-DG-BW/ VSUN415N-108BMH-DG-BB/ VSUN415N-108BMH-DG-BT/ VSUN415N-108BMH-DG-WT/ VSUN415N-108BMH/ VSUN415N-108BMH-DGL/ VSUN415N-108BMH-DGL-BW/ VSUN415N-108BMH-DGL-BB/ VSUN415N-108BMH-DGL-BT/ VSUN415N-108BMH-DGL-WT/ VSUN415N-108BMH-BW/ VSUN415N-108BMH-BB/ VSUN415N-108BMH-BT/ VSUN415N-108BMH-WT	38	13.6	32.13	12.92	415
VSUN410N-108BMH-DG/ VSUN410N-108BMH-DG-BW/ VSUN410N-108BMH-DG-BB/ VSUN410N-108BMH-DG-BT/ VSUN410N-108BMH-DG-WT/ VSUN410N-108BMH/ VSUN410N-108BMH-DGL/ VSUN410N-108BMH-DGL-BW/ VSUN410N-108BMH-DGL-BB/ VSUN410N-108BMH-DGL-BT/ VSUN410N-108BMH-DGL-WT/ VSUN410N-108BMH-BW/ VSUN410N-108BMH-BB/ VSUN410N-108BMH-BT/ VSUN410N-108BMH-WT	37.69	13.55	31.88	12.86	410
VSUN405N-108BMH-DG/ VSUN405N-108BMH-DG-BW/ VSUN405N-108BMH-DG-BB/ VSUN405N-108BMH-DG-BT/ VSUN405N-108BMH-DG-WT/ VSUN405N-108BMH/ VSUN405N-108BMH-DGL/	37.41	13.5	31.65	12.8	405



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
VSUN405N-108BMH-DGL-BW/ VSUN405N-108BMH-DGL-BB/ VSUN405N-108BMH-DGL-BT/ VSUN405N-108BMH-DGL-WT/ VSUN405N-108BMH-BW/ VSUN405N-108BMH-BB/ VSUN405N-108BMH-BT/ VSUN405N-108BMH-WT					
VSUNxxxN-96BMH-DG/VSUNxxxN-96BMH-DG-BW/VSUNxxxN-96BMH-DG-BB/VSUNxxxN-96BMH-DG-BT/VSUNxxxN-96BMH-DG-WT/VSUNxxxN-96BMH-DGL/VSUNxxxN-96BMH-DGL-BW/VSUNxxxN-96BMH-DGL-BB/VSUNxxxN-96BMH-DGL-BT/VSUNxxxN-96BMH-DGL-WT/VSUNxxxN-96BMH/ VSUNxxxN-96BMH-BW/ VSUNxxxN-96BMH-BB/VSUNxxxN-96BMH-BT/VSUNxxxN-96BMH-WT (xxx=360-410, in steps of 5), for 182mm cell only					
VSUN410N-96BMH-DG/ VSUN410N-96BMH-DG-BW/ VSUN410N-96BMH-DG-BB/ VSUN410N-96BMH-DG-BT/ VSUN410N-96BMH-DG-WT/ VSUN410N-96BMH/ VSUN410N-96BMH-DGL/ VSUN410N-96BMH-DGL-BW/ VSUN410N-96BMH-DGL-BB/ VSUN410N-96BMH-DGL-BT/ VSUN410N-96BMH-DGL-WT/ VSUN410N-96BMH/ VSUN410N-96BMH-BW/ VSUN410N-96BMH-BB/ VSUN410N-96BMH-BT/ VSUN410N-96BMH-WT	36.08	14.06	30.56	13.42	410
VSUN405N-96BMH-DG/ VSUN405N-96BMH-DG-BW/ VSUN405N-96BMH-DG-BB/ VSUN405N-96BMH-DG-BT/ VSUN405N-96BMH-DG-WT/ VSUN405N-96BMH/ VSUN405N-96BMH-DGL/ VSUN405N-96BMH-DGL-BW/ VSUN405N-96BMH-DGL-BB/ VSUN405N-96BMH-DGL-BT/ VSUN405N-96BMH-DGL-WT/ VSUN405N-96BMH/ VSUN405N-96BMH-BW/ VSUN405N-96BMH-BB/ VSUN405N-96BMH-BT/ VSUN405N-96BMH-WT	35.82	14	30.32	13.36	405
VSUN400N-96BMH-DG/ VSUN400N-96BMH-DG-BW/ VSUN400N-96BMH-DG-BB/ VSUN400N-96BMH-DG-BT/ VSUN400N-96BMH-DG-WT/ VSUN400N-96BMH/ VSUN400N-96BMH-DGL/ VSUN400N-96BMH-DGL-BW/ VSUN400N-96BMH-DGL-BB/ VSUN400N-96BMH-DGL-BT/ VSUN400N-96BMH-DGL-WT/	35.58	13.93	30.08	13.3	400



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
VSUN400N-96BMH/ VSUN400N-96BMH-BW/ VSUN400N-96BMH-BB/ VSUN400N-96BMH-BT/ VSUN400N-96BMH-WT					
VSUN395N-96BMH-DG/ VSUN395N-96BMH-DG-BW/ VSUN395N-96BMH-DG-BB/ VSUN395N-96BMH-DG-BT/ VSUN395N-96BMH-DG-WT/ VSUN395N-96BMH/ VSUN395N-96BMH-DGL/ VSUN395N-96BMH-DGL-BW/ VSUN395N-96BMH-DGL-BB/ VSUN395N-96BMH-DGL-BT/ VSUN395N-96BMH-DGL-WT/ VSUN395N-96BMH/ VSUN395N-96BMH-BW/ VSUN395N-96BMH-BB/ VSUN395N-96BMH-BT/ VSUN395N-96BMH-WT	35.29	13.88	29.84	13.24	395
VSUN390N-96BMH-DG/ VSUN390N-96BMH-DG-BW/ VSUN390N-96BMH-DG-BB/ VSUN390N-96BMH-DG-BT/ VSUN390N-96BMH-DG-WT/ VSUN390N-96BMH/ VSUN390N-96BMH-DGL/ VSUN390N-96BMH-DGL-BW/ VSUN390N-96BMH-DGL-BB/ VSUN390N-96BMH-DGL-BT/ VSUN390N-96BMH-DGL-WT/ VSUN390N-96BMH/ VSUN390N-96BMH-BW/ VSUN390N-96BMH-BB/ VSUN390N-96BMH-BT/ VSUN390N-96BMH-WT	35.02	13.82	29.58	13.19	390
VSUN385N-96BMH-DG/ VSUN385N-96BMH-DG-BW/ VSUN385N-96BMH-DG-BB/ VSUN385N-96BMH-DG-BT/ VSUN385N-96BMH-DG-WT/ VSUN385N-96BMH/ VSUN385N-96BMH-DGL/ VSUN385N-96BMH-DGL-BW/ VSUN385N-96BMH-DGL-BB/ VSUN385N-96BMH-DGL-BT/ VSUN385N-96BMH-DGL-WT/ VSUN385N-96BMH-BW/ VSUN385N-96BMH-BB/ VSUN385N-96BMH-BT/ VSUN385N-96BMH-WT	34.72	13.77	29.31	13.14	385
VSUN380N-96BMH-DG/ VSUN380N-96BMH-DG-BW/ VSUN380N-96BMH-DG-BB/ VSUN380N-96BMH-DG-BT/ VSUN380N-96BMH-DG-WT/ VSUN380N-96BMH/ VSUN380N-96BMH-DGL/	34.42	13.72	29.06	13.08	380



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
VSUN380N-96BMH-DGL-BW/ VSUN380N-96BMH-DGL-BB/ VSUN380N-96BMH-DGL-BT/ VSUN380N-96BMH-DGL-WT/VSUN380N-96BMH-BW/ VSUN380N-96BMH-BB/ VSUN380N-96BMH-BT/ VSUN380N-96BMH-WT					
VSUN375N-96BMH-DG/ VSUN375N-96BMH-DG-BW/ VSUN375N-96BMH-DG-BB/ VSUN375N-96BMH-DG-BT/ VSUN375N-96BMH-DG-WT/ VSUN375N-96BMH/ VSUN375N-96BMH-DGL/ VSUN375N-96BMH-DGL-BW/ VSUN375N-96BMH-DGL-BB/ VSUN375N-96BMH-DGL-BT/ VSUN375N-96BMH-DGL-WT/VSUN375N-96BMH-BW/ VSUN375N-96BMH-BB/ VSUN375N-96BMH-BT/ VSUN375N-96BMH-WT	34.14	13.66	28.79	13.03	375
VSUN370N-96BMH-DG/ VSUN370N-96BMH-DG-BW/ VSUN370N-96BMH-DG-BB/ VSUN370N-96BMH-DG-BT/ VSUN370N-96BMH-DG-WT/ VSUN370N-96BMH/ VSUN370N-96BMH-DGL/ VSUN370N-96BMH-DGL-BW/ VSUN370N-96BMH-DGL-BB/ VSUN370N-96BMH-DGL-BT/ VSUN370N-96BMH-DGL-WT/VSUN370N-96BMH-BW/ VSUN370N-96BMH-BB/ VSUN370N-96BMH-BT/ VSUN370N-96BMH-WT	33.83	13.61	28.54	12.97	370
VSUN365N-96BMH-DG/ VSUN365N-96BMH-DG-BW/ VSUN365N-96BMH-DG-BB/ VSUN365N-96BMH-DG-BT/ VSUN365N-96BMH-DG-WT/ VSUN365N-96BMH/ VSUN365N-96BMH-DGL/ VSUN365N-96BMH-DGL-BW/ VSUN365N-96BMH-DGL-BB/ VSUN365N-96BMH-DGL-BT/ VSUN365N-96BMH-DGL-WT/ VSUN365N-96BMH-BW/ VSUN365N-96BMH-BB/ VSUN365N-96BMH-BT/ VSUN365N-96BMH-WT	33.52	13.56	28.26	12.92	365
VSUN360N-96BMH-DG/ VSUN360N-96BMH-DG-BW/ VSUN360N-96BMH-DG-	33.23	13.5	27.98	12.87	360



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
BB/ VSUN360N-96BMH-DG-BT/ VSUN360N-96BMH-DG-WT/ VSUN360N- 96BMH/ VSUN360N-96BMH-DGL/ VSUN360N-96BMH-DGL-BW/ VSUN360N- 96BMH-DGL-BB/ VSUN360N-96BMH-DGL- BT/ VSUN360N-96BMH-DGL-WT/ VSUN360N-96BMH-BW/ VSUN360N- 96BMH-BB/ VSUN360N-96BMH-BT/ VSUN360N-96BMH-WT					
VSUNxxxN-144MH/VSUNxxxN-144MH-BW/VSUNxxxN-144MH-BB (xxx=550-610, in steps of 5), for 182mm cell only					
VSUN610N-144MH/ VSUN610N-144MH- BW/ VSUN610N-144MH-BB	53.34	14.13	45.32	13.46	610
VSUN605N-144MH/ VSUN605N-144MH- BW/ VSUN605N-144MH-BB	53.12	14.08	45.12	13.41	605
VSUN600N-144MH/ VSUN600N-144MH- BW/ VSUN600N-144MH-BB	52.9	14.03	44.92	13.36	600
VSUN595N-144MH/ VSUN595N-144MH- BW/ VSUN595N-144MH-BB	52.69	13.98	44.71	13.31	595
VSUN590N-144MH/ VSUN590N-144MH- BW/ VSUN590N-144MH-BB	52.48	13.93	44.5	13.26	590
VSUN585N-144MH/ VSUN585N-144MH- BW/ VSUN585N-144MH-BB	52.25	13.88	44.29	13.21	585
VSUN580N-144MH/ VSUN580N-144MH- BW/ VSUN580N-144MH-BB	52.02	13.83	44.08	13.16	580
VSUN575N-144MH/ VSUN575N-144MH- BW/ VSUN575N-144MH-BB	51.81	13.77	43.86	13.11	575
VSUN570N-144MH/ VSUN570N-144MH- BW/ VSUN570N-144MH-BB	51.58	13.72	43.65	13.06	570
VSUN565N-144MH/ VSUN565N-144MH- BW/ VSUN565N-144MH-BB	51.38	13.66	43.43	13.01	565
VSUN560N-144MH/ VSUN560N-144MH- BW/ VSUN560N-144MH-BB	51.16	13.61	43.22	12.96	560
VSUN555N-144MH/ VSUN555N-144MH- BW/ VSUN555N-144MH-BB	50.95	13.55	43.03	12.9	555
VSUN550N-144MH/ VSUN550N-144MH- BW/ VSUN550N-144MH-BB	50.74	13.49	42.84	12.84	550
VSUNxxxN-132MH/VSUNxxxN-132MH-BW/VSUNxxxN-132MH-BB (xxx=505-560, in steps of 5), for 182mm cell only					



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
VSUN560N-132MH/ VSUN560N-132MH-BW/ VSUN560N-132MH-BB	48.95	14.14	41.64	13.45	560
VSUN555N-132MH/ VSUN555N-132MH-BW/ VSUN555N-132MH-BB	48.75	14.08	41.43	13.4	555
VSUN550N-132MH/ VSUN550N-132MH-BW/ VSUN550N-132MH-BB	48.51	14.03	41.23	13.34	550
VSUN545N-132MH/ VSUN545N-132MH-BW/ VSUN545N-132MH-BB	48.3	13.97	41.01	13.29	545
VSUN540N-132MH/ VSUN540N-132MH-BW/ VSUN540N-132MH-BB	48.09	13.91	40.79	13.24	540
VSUN535N-132MH/ VSUN535N-132MH-BW/ VSUN535N-132MH-BB	47.85	13.86	40.57	13.19	535
VSUN530N-132MH/ VSUN530N-132MH-BW/ VSUN530N-132MH-BB	47.63	13.8	40.34	13.14	530
VSUN525N-132MH/ VSUN525N-132MH-BW/ VSUN525N-132MH-BB	47.41	13.74	40.11	13.09	525
VSUN520N-132MH/ VSUN520N-132MH-BW/ VSUN520N-132MH-BB	47.19	13.68	39.88	13.04	520
VSUN515N-132MH/ VSUN515N-132MH-BW/ VSUN515N-132MH-BB	46.94	13.63	39.65	12.99	515
VSUN510N-132MH/ VSUN510N-132MH-BW/ VSUN510N-132MH-BB	46.69	13.58	39.42	12.94	510
VSUN505N-132MH/ VSUN505N-132MH-BW/ VSUN505N-132MH-BB	46.46	13.52	39.18	12.89	505
VSUNxxxN-120MH/VSUNxxxN-120MH-BW/VSUNxxxN-120MH-BB (xxx=455-510, in steps of 5), for 182mm cell only					
VSUN510N-120MH/ VSUN510N-120MH-BW/ VSUN510N-120MH-BB	44.45	14.16	37.84	13.48	510
VSUN505N-120MH/ VSUN505N-120MH-BW/ VSUN505N-120MH-BB	44.25	14.1	37.61	13.43	505
VSUN500N-120MH/ VSUN500N-120MH-BW/ VSUN500N-120MH-BB	44.01	14.05	37.4	13.37	500
VSUN495N-120MH/ VSUN495N-120MH-BW/ VSUN495N-120MH-BB	43.79	13.99	37.17	13.32	495
VSUN490N-120MH/ VSUN490N-120MH-BW/ VSUN490N-120MH-BB	43.09	14.42	35.78	13.7	490
VSUN485N-120MH/ VSUN485N-120MH-BW/ VSUN485N-120MH-BB	42.90	14.35	35.61	13.62	485
VSUN480N-120MH/ VSUN480N-120MH-BW/ VSUN480N-120MH-BB	42.71	14.29	35.42	13.56	480



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
VSUN475N-120MH/ VSUN475N-120MH-BW/ VSUN475N-120MH-BB	42.53	14.23	35.23	13.49	475
VSUN470N-120MH/ VSUN470N-120MH-BW/ VSUN470N-120MH-BB	42.37	14.15	35.07	13.41	470
VSUN465N-120MH/ VSUN465N-120MH-BW/ VSUN465N-120MH-BB	42.21	14.08	34.92	13.32	465
VSUN460N-120MH/ VSUN460N-120MH-BW/ VSUN460N-120MH-BB	42.07	13.99	34.76	13.24	460
VSUN455N-120MH/ VSUN455N-120MH-BW/ VSUN455N-120MH-BB	41.91	13.9	34.6	13.16	455
VSUNxxxN-108MH/VSUNxxxN-108MH-BW/VSUNxxxN-108MH-B (xxx=405-460, in steps of 5), for 182mm cell only					
VSUN460N-108MH/ VSUN460N-108MH-BW/ VSUN460N-108MH-BB	40.39	14.08	34.33	13.4	460
VSUN455N-108MH/ VSUN455N-108MH-BW/ VSUN455N-108MH-BB	40.16	14.02	34.09	13.35	455
VSUN450N-108MH/ VSUN450N-108MH-BW/ VSUN450N-108MH-BB	39.92	13.96	33.87	13.29	450
VSUN445N-108MH/ VSUN445N-108MH-BW/ VSUN445N-108MH-BB	39.64	13.9	33.61	13.24	445
VSUN440N-108MH/ VSUN440N-108MH-BW/ VSUN440N-108MH-BB	39.38	13.85	33.37	13.18	440
VSUN435N-108MH/ VSUN435N-108MH-BW/ VSUN435N-108MH-BB	39.12	13.8	33.13	13.13	435
VSUN430N-108MH/ VSUN430N-108MH-BW/ VSUN430N-108MH-BB	38.84	13.75	32.88	13.08	430
VSUN425N-108MH/ VSUN425N-108MH-BW/ VSUN425N-108MH-BB	38.56	13.7	32.64	13.02	425
VSUN420N-108MH/ VSUN420N-108MH-BW/ VSUN420N-108MH-BB	38.27	13.65	32.38	12.97	420
VSUN415N-108MH/ VSUN415N-108MH-BW/ VSUN415N-108MH-BB	38	13.6	32.13	12.92	415
VSUN410N-108MH/ VSUN410N-108MH-BW/ VSUN410N-108MH-BB	37.69	13.55	31.88	12.86	410
VSUN405N-108MH/ VSUN405N-108MH-BW/ VSUN405N-108MH-BB	37.41	13.5	31.65	12.8	405
VSUNxxxN-96MH/VSUNxxxN-96MH-BW/VSUNxxxN-96MH-BB (xxx=360-410, in steps of 5), for 182mm cell only					
VSUN410N-96MH/ VSUN410N-96MH-BW/ VSUN410N-96MH-BB	36.08	14.06	30.56	13.42	410



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
VSUN405N-96MH/ VSUN405N-96MH-BW/ VSUN405N-96MH-BB	35.82	14	30.32	13.36	405
VSUN400N-96MH/ VSUN400N-96MH-BW/ VSUN400N-96MH-BB	35.58	13.93	30.08	13.3	400
VSUN395N-96MH/ VSUN395N-96MH-BW/ VSUN395N-96MH-BB	35.29	13.88	29.84	13.24	395
VSUN390N-96MH/ VSUN390N-96MH-BW/ VSUN390N-96MH-BB	35.02	13.82	29.58	13.19	390
VSUN385N-96MH/ VSUN385N-96MH-BW/ VSUN385N-96MH-BB	34.72	13.77	29.31	13.14	385
VSUN380N-96MH/ VSUN380N-96MH-BW/ VSUN380N-96MH-BB	34.42	13.72	29.06	13.08	380
VSUN375N-96MH/ VSUN375N-96MH-BW/ VSUN375N-96MH-BB	34.14	13.66	28.79	13.03	375
VSUN370N-96MH/ VSUN370N-96MH-BW/ VSUN370N-96MH-BB	33.83	13.61	28.54	12.97	370
VSUN365N-96MH/ VSUN365N-96MH-BW/ VSUN365N-96MH-BB	33.52	13.56	28.26	12.92	365
VSUN360N-96MH/ VSUN360N-96MH-BW/ VSUN360N-96MH-BB	33.23	13.5	27.98	12.87	360
VSUNxxxN-156BMH-DG/VSUNxxxN-156BMH-DG-BW/VSUNxxxN-156BMH-DG-BB/VSUNxxxN-156BMH-DG-BT/VSUNxxxN-156BMH-DG-WT/VSUNxxxN-156BMH/ VSUNxxxN-156BMH-BW/ VSUNxxxN-156BMH-BB/VSUNxxxN-156BMH-BT/VSUNxxxN-156BMH-WT/VSUNxxxN-156MH/ VSUNxxxN-156MH-BW/VSUNxxxN-156MH-BB (xxx=605-660, in steps of 5), for 182mm cell only					
VSUN660N-156BMH-DG/ VSUN660N- 156BMH-DG-BW/ VSUN660N-156BMH-DG- BB/ VSUN660N-156BMH-DG-BT/ VSUN660N-156BMH-DG-WT/ VSUN660N- 156BMH/ VSUN660N-156BMH-BW/ VSUN660N- 156BMH-BB/ VSUN660N-156BMH-BT/ VSUN660N-156BMH-WT/ VSUN660N- 156MH/ VSUN660N-156MH-BW/ VSUN660N- 156MH-BB	57.62	14.15	48.97	13.48	660
VSUN655N-156BMH-DG/ VSUN655N- 156BMH-DG-BW/ VSUN655N-156BMH-DG- BB/ VSUN655N-156BMH-DG-BT/ VSUN655N-156BMH-DG-WT/ VSUN655N- 156BMH/	57.44	14.1	48.78	13.43	655



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
VSUN655N-156BMH-BW/ VSUN655N-156BMH-BB/ VSUN655N-156BMH-BT/ VSUN655N-156BMH-WT/ VSUN655N-156MH/ VSUN655N-156MH-BW/ VSUN655N-156MH-BB					
VSUN650N-156BMH-DG/ VSUN650N-156BMH-DG-BW/ VSUN650N-156BMH-DG-BB/ VSUN650N-156BMH-DG-BT/ VSUN650N-156BMH-DG-WT/ VSUN650N-156BMH/ VSUN650N-156BMH-BW/ VSUN650N-156BMH-BB/ VSUN650N-156BMH-BT/ VSUN650N-156BMH-WT/ VSUN650N-156MH/ VSUN650N-156MH-BW/ VSUN650N-156MH-BB	57.28	14.04	48.59	13.38	650
VSUN645N-156BMH-DG/ VSUN645N-156BMH-DG-BW/ VSUN645N-156BMH-DG-BB/ VSUN645N-156BMH-DG-BT/ VSUN645N-156BMH-DG-WT/ VSUN645N-156BMH/ VSUN645N-156BMH-BW/ VSUN645N-156BMH-BB/ VSUN645N-156BMH-BT/ VSUN645N-156BMH-WT/ VSUN645N-156MH/ VSUN645N-156MH-BW/ VSUN645N-156MH-BB	57.12	13.98	48.4	13.33	645
VSUN640N-156BMH-DG/ VSUN640N-156BMH-DG-BW/ VSUN640N-156BMH-DG-BB/ VSUN640N-156BMH-DG-BT/ VSUN640N-156BMH-DG-WT/ VSUN640N-156BMH/ VSUN640N-156BMH-BW/ VSUN640N-156BMH-BB/ VSUN640N-156BMH-BT/ VSUN640N-156BMH-WT/ VSUN640N-156MH/ VSUN640N-156MH-BW/ VSUN640N-156MH-BB	56.92	13.93	48.24	13.27	640
VSUN635N-156BMH-DG/ VSUN635N-156BMH-DG-BW/ VSUN635N-156BMH-DG-	56.76	13.87	48.05	13.22	635



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
BB/ VSUN635N-156BMH-DG-BT/ VSUN635N-156BMH-DG-WT/ VSUN635N- 156BMH/ VSUN635N-156BMH-BW/ VSUN635N- 156BMH-BB/ VSUN635N-156BMH-BT/ VSUN635N-156BMH-WT/ VSUN635N- 156MH/ VSUN635N-156MH-BW/ VSUN635N- 156MH-BB					
VSUN630N-156BMH-DG/ VSUN630N- 156BMH-DG-BW/ VSUN630N-156BMH-DG- BB/ VSUN630N-156BMH-DG-BT/ VSUN630N-156BMH-DG-WT/ VSUN630N- 156BMH/ VSUN630N-156BMH-BW/ VSUN630N- 156BMH-BB/ VSUN630N-156BMH-BT/ VSUN630N-156BMH-WT/ VSUN630N- 156MH/ VSUN630N-156MH-BW/ VSUN630N- 156MH-BB	56.56	13.82	47.89	13.16	630
VSUN625N-156BMH-DG/ VSUN625N- 156BMH-DG-BW/ VSUN625N-156BMH-DG- BB/ VSUN625N-156BMH-DG-BT/ VSUN625N-156BMH-DG-WT/ VSUN625N- 156BMH/ VSUN625N-156BMH-BW/ VSUN625N- 156BMH-BB/ VSUN625N-156BMH-BT/ VSUN625N-156BMH-WT/ VSUN625N- 156MH/ VSUN625N-156MH-BW/ VSUN625N- 156MH-BB	56.38	13.76	47.68	13.11	625
VSUN620N-156BMH-DG/ VSUN620N- 156BMH-DG-BW/ VSUN620N-156BMH-DG- BB/ VSUN620N-156BMH-DG-BT/ VSUN620N-156BMH-DG-WT/ VSUN620N- 156BMH/ VSUN620N-156BMH-BW/ VSUN620N- 156BMH-BB/ VSUN620N-156BMH-BT/ VSUN620N-156BMH-WT/ VSUN620N- 156MH/	56.18	13.71	47.48	13.06	620



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
VSUN620N-156MH-BW/ VSUN620N-156MH-BB					
VSUN615N-156BMH-DG/ VSUN615N-156BMH-DG-BW/ VSUN615N-156BMH-DG-BB/ VSUN615N-156BMH-DG-BT/ VSUN615N-156BMH-DG-WT/ VSUN615N-156BMH/ VSUN615N-156BMH-BW/ VSUN615N-156BMH-BB/ VSUN615N-156BMH-BT/ VSUN615N-156BMH-WT/ VSUN615N-156MH/ VSUN615N-156MH-BW/ VSUN615N-156MH-BB	56.02	13.65	47.31	13	615
VSUN610N-156BMH-DG/ VSUN610N-156BMH-DG-BW/ VSUN610N-156BMH-DG-BB/ VSUN610N-156BMH-DG-BT/ VSUN610N-156BMH-DG-WT/ VSUN610N-156BMH/ VSUN610N-156BMH-BW/ VSUN610N-156BMH-BB/ VSUN610N-156BMH-BT/ VSUN610N-156BMH-WT/ VSUN610N-156MH/ VSUN610N-156MH-BW/ VSUN610N-156MH-BB	55.81	13.6	47.11	12.95	610
VSUN605N-156BMH-DG/ VSUN605N-156BMH-DG-BW/ VSUN605N-156BMH-DG-BB/ VSUN605N-156BMH-DG-BT/ VSUN605N-156BMH-DG-WT/ VSUN605N-156BMH/ VSUN605N-156BMH-BW/ VSUN605N-156BMH-BB/ VSUN605N-156BMH-BT/ VSUN605N-156BMH-WT/ VSUN605N-156MH/ VSUN605N-156MH-BW/ VSUN605N-156MH-BB	55.6	13.55	46.94	12.89	605
VSUNxxxN-132BMH-DG (132BMH-DG-BW/132BMH-DG-BB/132BMH-DG-BT/132BMH-DG-WT) (xxx=680-745, in steps of 5) for 210mm cell					
VSUN745N-132BMH-DG/VSUN745N-132BMH-DG-BB/VSUN745N-132BMH-DG-BW/VSUN745N-132BMH-DG-BT/VSUN745N-132BMH-DG-WT	50.3	18.73	42.26	17.63	745



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
VSUN740N-132BMH-DG/VSUN740N-132BMH-DG-BB/VSUN740N-132BMH-DG-BW/VSUN740N-132BMH-DG-BT/VSUN740N-132BMH-DG-WT	50.11	18.69	42.08	17.59	740
VSUN735N-132BMH-DG/VSUN735N-132BMH-DG-BB/VSUN735N-132BMH-DG-BW/VSUN735N-132BMH-DG-BT/VSUN735N-132BMH-DG-WT	49.93	18.64	41.89	17.55	735
VSUN730N-132BMH-DG/VSUN730N-132BMH-DG-BB/VSUN730N-132BMH-DG-BW/VSUN730N-132BMH-DG-BT/VSUN730N-132BMH-DG-WT	49.72	18.6	41.7	17.51	730
VSUN725N-132BMH-DG/VSUN725N-132BMH-DG-BB/VSUN725N-132BMH-DG-BW/VSUN725N-132BMH-DG-BT/VSUN725N-132BMH-DG-WT	49.5	18.56	41.5	17.47	725
VSUN720N-132BMH-DG/VSUN720N-132BMH-DG-BB/VSUN720N-132BMH-DG-BW/VSUN720N-132BMH-DG-BT/VSUN720N-132BMH-DG-WT	49.3	18.52	41.3	17.44	720
VSUN715N-132BMH-DG/VSUN715N-132BMH-DG-BB/VSUN715N-132BMH-DG-BW/VSUN715N-132BMH-DG-BT/VSUN715N-132BMH-DG-WT	49.1	18.47	41.1	17.40	715
VSUN710N-132BMH-DG/VSUN710N-132BMH-DG-BB/VSUN710N-132BMH-DG-BW/VSUN710N-132BMH-DG-BT/VSUN710N-132BMH-DG-WT	48.9	18.42	40.9	17.36	710
VSUN705N-132BMH-DG/VSUN705N-132BMH-DG-BB/VSUN705N-132BMH-DG-BW/VSUN705N-132BMH-DG-BT/VSUN705N-132BMH-DG-WT	48.7	18.37	40.7	17.33	705
VSUN700N-132BMH-DG/VSUN700N-132BMH-DG-BB/VSUN700N-132BMH-DG-BW/VSUN700N-132BMH-DG-BT/VSUN700N-132BMH-DG-WT	48.5	18.32	40.5	17.29	700
VSUN695N-132BMH-DG/VSUN695N-132BMH-DG-BB/VSUN695N-132BMH-DG-BW/VSUN695N-132BMH-DG-BT/VSUN695N-132BMH-DG-WT	48.3	18.28	40.3	17.25	695



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VSUN690N-132BMH-DG/VSUN690N-132BMH-DG-BB/VSUN690N-132BMH-DG-BW/VSUN690N-132BMH-DG-BT/VSUN690N-132BMH-DG-WT	47.9	18.25	40.1	17.23	690
VSUN685N-132BMH-DG/VSUN685N-132BMH-DG-BB/VSUN685N-132BMH-DG-BW/VSUN685N-132BMH-DG-BT/VSUN685N-132BMH-DG-WT	47.7	18.21	39.8	17.19	685
VSUN680N-132BMH-DG/VSUN680N-132BMH-DG-BB/VSUN680N-132BMH-DG-BW/VSUN680N-132BMH-DG-BT/VSUN680N-132BMH-DG-WT	47.4	18.18	39.6	17.16	680
VSUNxxxN-120BMH-DG (120BMH-DG-BW/120BMH-DG-BB/120BMH-DG-BT/120BMH-DG-WT) (xxx=615-675, in steps of 5)					
VSUN675N-120BMH-DG/VSUN675N-120BMH-DG-BB/VSUN675N-120BMH-DG-BW/VSUN675N-120BMH-DG-BT/VSUN675N-120BMH-DG-WT	45.64	18.69	38.38	17.59	675
VSUN670N-120BMH-DG/VSUN670N-120BMH-DG-BB/VSUN670N-120BMH-DG-BW/VSUN670N-120BMH-DG-BT/VSUN670N-120BMH-DG-WT	45.42	18.65	38.2	17.54	670
VSUN665N-120BMH-DG/VSUN665N-120BMH-DG-BB/VSUN665N-120BMH-DG-BW/VSUN665N-120BMH-DG-BT/VSUN665N-120BMH-DG-WT	45.2	18.61	38	17.5	665
VSUN660N-120BMH-DG/VSUN660N-120BMH-DG-BB/VSUN660N-120BMH-DG-BW/VSUN660N-120BMH-DG-BT/VSUN660N-120BMH-DG-WT	45	18.56	37.8	17.46	660
VSUN655N-120BMH-DG/VSUN655N-120BMH-DG-BB/VSUN655N-120BMH-DG-BW/VSUN655N-120BMH-DG-BT/VSUN655N-120BMH-DG-WT	44.8	18.51	37.6	17.42	655
VSUN650N-120BMH-DG/VSUN650N-120BMH-DG-BB/VSUN650N-120BMH-DG-BW/VSUN650N-120BMH-DG-BT/VSUN650N-120BMH-DG-WT	44.7	18.41	37.4	17.38	650
VSUN645N-120BMH-DG/VSUN645N-120BMH-DG-BB/VSUN645N-120BMH-DG-BW/VSUN645N-120BMH-DG-BT/VSUN645N-120BMH-DG-WT	44.5	18.37	37.2	17.34	645



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
BW/VSUN645N-120BMH-DG- BT/VSUN645N-120BMH-DG-WT					
VSUN640N-120BMH-DG/VSUN640N- 120BMH-DG-BB/VSUN640N-120BMH-DG- BW/VSUN640N-120BMH-DG- BT/VSUN640N-120BMH-DG-WT	44.3	18.33	37	17.3	640
VSUN635N-120BMH-DG/VSUN635N- 120BMH-DG-BB/VSUN635N-120BMH-DG- BW/VSUN635N-120BMH-DG- BT/VSUN635N-120BMH-DG-WT	44.1	18.29	36.8	17.26	635
VSUN630N-120BMH-DG/VSUN630N- 120BMH-DG-BB/VSUN630N-120BMH-DG- BW/VSUN630N-120BMH-DG- BT/VSUN630N-120BMH-DG-WT	43.9	18.25	36.6	17.22	630
VSUN625N-120BMH-DG/VSUN625N- 120BMH-DG-BB/VSUN625N-120BMH-DG- BW/VSUN625N-120BMH-DG- BT/VSUN625N-120BMH-DG-WT	43.7	18.21	36.4	17.18	625
VSUN620N-120BMH-DG/VSUN620N- 120BMH-DG-BB/VSUN620N-120BMH-DG- BW/VSUN620N-120BMH-DG- BT/VSUN620N-120BMH-DG-WT	43.5	18.18	36.2	17.14	620
VSUN615N-120BMH-DG/VSUN615N- 120BMH-DG-BB/VSUN615N-120BMH-DG- BW/VSUN615N-120BMH-DG- BT/VSUN615N-120BMH-DG-WT	43.3	18.13	36	17.09	615
VSUNxxxN-132BMHR/132BMHR-BW/132BMHR-BB/132BMHR-BT/132BMHR-WT (xxx=605-645 in steps of 5)					
VSUN645N-132BMHR, VSUN645N- 132BMHR -BW, VSUN645N-132BMHR-BB, VSUN645N-132BMHR -BT, VSUN645N- 132BMHR -WT	49.7	16.2	42.33	15.24	645
VSUN640N-132BMHR, VSUN640N- 132BMHR -BW, VSUN640N-132BMHR-BB, VSUN640N-132BMHR -BT, VSUN640N- 132BMHR -WT	49.5	16.15	42.11	15.2	640
VSUN635N-132BMHR, VSUN635N- 132BMHR -BW, VSUN635N-132BMHR-BB, VSUN635N-132BMHR -BT, VSUN635N- 132BMHR -WT	49.3	16.1	41.89	15.16	635



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VSUN630N-132BMHR, VSUN630N-132BMHR -BW, VSUN630N-132BMHR-BB, VSUN630N-132BMHR -BT, VSUN630N-132BMHR -WT	49.1	16.05	41.67	15.12	630
VSUN625N-132BMHR, VSUN625N-132BMHR -BW, VSUN625N-132BMHR-BB, VSUN625N-132BMHR -BT, VSUN625N-132BMHR -WT	48.9	16	41.45	15.08	625
VSUN620N-132BMHR, VSUN620N-132BMHR -BW, VSUN620N-132BMHR-BB, VSUN620N-132BMHR -BT, VSUN620N-132BMHR -WT	48.7	15.95	41.23	15.04	620
VSUN615N-132BMHR, VSUN615N-132BMHR -BW, VSUN615N-132BMHR-BB, VSUN615N-132BMHR -BT, VSUN615N-132BMHR -WT	48.5	15.9	41.03	14.99	615
VSUN610N-132BMHR, VSUN610N-132BMHR -BW, VSUN610N-132BMHR-BB, VSUN610N-132BMHR -BT, VSUN610N-132BMHR -WT	48.3	15.85	40.83	14.94	610
VSUN605N-132BMHR, VSUN605N-132BMHR -BW, VSUN605N-132BMHR-BB, VSUN605N-132BMHR -BT, VSUN605N-132BMHR -WT	48.1	15.8	40.64	14.89	605
VSUNxxxN-120BMHR/120BMHR-BW/120BMHR-BB/120BMHR-BT/120BMHR-WT (xxx=550-585 in steps of 5)					
VSUN585N-120BMHR, VSUN585N-120BMHR -BW, VSUN585N-120BMHR-BB, VSUN585N-120BMHR -BT, VSUN585N-120BMHR -WT	45.05	16.21	38.27	15.29	585
VSUN580N-120BMHR, VSUN580N-120BMHR -BW, VSUN580N-120BMHR-BB, VSUN580N-120BMHR -BT, VSUN580N-120BMHR -WT	44.87	16.15	38.09	15.23	580
VSUN575N-120BMHR, VSUN575N-120BMHR -BW, VSUN575N-120BMHR-BB, VSUN575N-120BMHR -BT, VSUN575N-120BMHR -WT	44.69	16.09	37.91	15.17	575
VSUN570N-120BMHR, VSUN570N-120BMHR -BW, VSUN570N-120BMHR-BB,	44.51	16.03	37.73	15.11	570



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
VSUN570N-120BMHR -BT, VSUN570N-120BMHR -WT					
VSUN565N-120BMHR, VSUN565N-120BMHR -BW, VSUN565N-120BMHR-BB, VSUN565N-120BMHR -BT, VSUN565N-120BMHR -WT	44.33	15.97	37.55	15.05	565
VSUN560N-120BMHR, VSUN560N-120BMHR -BW, VSUN560N-120BMHR-BB, VSUN560N-120BMHR -BT, VSUN560N-120BMHR -WT	44.15	15.91	37.37	14.99	560
VSUN555N-120BMHR, VSUN555N-120BMHR -BW, VSUN555N-120BMHR-BB, VSUN555N-120BMHR -BT, VSUN555N-120BMHR -WT	43.97	15.85	37.19	14.93	555
VSUN550N-120BMHR, VSUN550N-120BMHR -BW, VSUN550N-120BMHR-BB, VSUN550N-120BMHR -BT, VSUN550N-120BMHR -WT	43.79	15.79	37.01	14.87	550
VSUNxxxN-108BMHR/108BMHR-BW/108BMHR-BB/108BMHR-BT/108BMHR-WT (xxx=495-525 in steps of 5)					
VSUN525N-108BMHR, VSUN525N-108BMHR -BW, VSUN525N-108BMHR-BB, VSUN525N-108BMHR -BT, VSUN525N-108BMHR -WT	40.41	16.22	34.36	15.29	525
VSUN520N-108BMHR, VSUN520N-108BMHR -BW, VSUN520N-108BMHR-BB, VSUN520N-108BMHR -BT, VSUN520N-108BMHR -WT	40.23	16.15	34.18	15.22	520
VSUN515N-108BMHR, VSUN515N-108BMHR -BW, VSUN515N-108BMHR-BB, VSUN515N-108BMHR -BT, VSUN515N-108BMHR -WT	40.06	16.07	34	15.15	515
VSUN510N-108BMHR, VSUN510N-108BMHR -BW, VSUN510N-108BMHR-BB, VSUN510N-108BMHR -BT, VSUN510N-108BMHR -WT	39.88	16.01	33.82	15.08	510
VSUN505N-108BMHR, VSUN505N-108BMHR -BW, VSUN505N-108BMHR-BB, VSUN505N-108BMHR -BT, VSUN505N-108BMHR -WT	39.7	15.95	33.64	15.02	505



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
VSUN500N-108BMHR, VSUN500N-108BMHR -BW, VSUN500N-108BMHR-BB, VSUN500N-108BMHR -BT, VSUN500N-108BMHR -WT	39.52	15.89	33.46	14.95	500
VSUN495N-108BMHR, VSUN495N-108BMHR -BW, VSUN495N-108BMHR-BB, VSUN495N-108BMHR -BT, VSUN495N-108BMHR -WT	39.34	15.83	33.28	14.88	495
VSUNxxxN-96BMHR/96BMHR-BW/96BMHR-BB/96BMHR-BT/96BMHR-WT (xxx=440-470 in steps of 5)					
VSUN470N-96BMHR, VSUN470N-96BMHR -BW, VSUN470N-96BMHR-BB, VSUN470N-96BMHR -BT, VSUN470N-96BMHR -WT	35.95	16.25	30.8	15.26	470
VSUN465N-96BMHR, VSUN465N-96BMHR -BW, VSUN465N-96BMHR-BB, VSUN465N-96BMHR -BT, VSUN465N-96BMHR -WT	35.7	16.21	30.62	15.19	465
VSUN460N-96BMHR, VSUN460N-96BMHR -BW, VSUN460N-96BMHR-BB, VSUN460N-96BMHR -BT, VSUN460N-96BMHR -WT	35.49	16.15	30.44	15.12	460
VSUN455N-96BMHR, VSUN455N-96BMHR -BW, VSUN455N-96BMHR-BB, VSUN455N-96BMHR -BT, VSUN455N-96BMHR -WT	35.31	16.1	30.26	15.04	455
VSUN450N-96BMHR, VSUN450N-96BMHR -BW, VSUN450N-96BMHR-BB, VSUN450N-96BMHR -BT, VSUN450N-96BMHR -WT	35.13	16.05	30.07	14.97	450
VSUN445N-96BMHR, VSUN445N-96BMHR -BW, VSUN445N-96BMHR-BB, VSUN445N-96BMHR -BT, VSUN445N-96BMHR -WT	34.95	16	29.9	14.89	445
VSUN440N-96BMHR, VSUN440N-96BMHR -BW, VSUN440N-96BMHR-BB, VSUN440N-96BMHR -BT, VSUN440N-96BMHR -WT	34.77	15.95	29.72	14.81	440
VSUNxxxN-132BMHR-DG/132BMHR-DG-BW/132BMHR-DG-BB/132BMHR-DG-BT/132BMHR-DG-WT (xxx=605-645, in steps of 5)					
VSUN645N-132BMHR-DG, VSUN645N-132BMHR-DG -BW, VSUN645N-132BMHR-DG-BB, VSUN645N-132BMHR-DG -BT, VSUN645N-132BMHR-DG -WT	49.7	16.2	42.33	15.24	645
VSUN640N-132BMHR-DG, VSUN640N-132BMHR-DG -BW, VSUN640N-132BMHR-DG-BB, VSUN640N-132BMHR-DG -BT, VSUN640N-132BMHR-DG -WT	49.5	16.15	42.11	15.2	640



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
VSUN635N-132BMHR-DG, VSUN635N-132BMHR-DG -BW, VSUN635N-132BMHR-DG-BB, VSUN635N-132BMHR-DG -BT, VSUN635N-132BMHR-DG -WT	49.3	16.1	41.89	15.16	635
VSUN630N-132BMHR-DG, VSUN630N-132BMHR-DG -BW, VSUN630N-132BMHR-DG-BB, VSUN630N-132BMHR-DG -BT, VSUN630N-132BMHR-DG -WT	49.1	16.05	41.67	15.12	630
VSUN625N-132BMHR-DG, VSUN625N-132BMHR-DG -BW, VSUN625N-132BMHR-DG-BB, VSUN625N-132BMHR-DG -BT, VSUN625N-132BMHR-DG -WT	48.9	16	41.45	15.08	625
VSUN620N-132BMHR-DG, VSUN620N-132BMHR-DG -BW, VSUN620N-132BMHR-DG-BB, VSUN620N-132BMHR-DG -BT, VSUN620N-132BMHR-DG -WT	48.7	15.95	41.23	15.04	620
VSUN615N-132BMHR-DG, VSUN615N-132BMHR-DG -BW, VSUN615N-132BMHR-DG-BB, VSUN615N-132BMHR-DG -BT, VSUN615N-132BMHR-DG -WT	48.5	15.9	41.03	14.99	615
VSUN610N-132BMHR-DG, VSUN610N-132BMHR-DG -BW, VSUN610N-132BMHR-DG-BB, VSUN610N-132BMHR-DG -BT, VSUN610N-132BMHR-DG -WT	48.3	15.85	40.83	14.94	610
VSUN605N-132BMHR-DG, VSUN605N-132BMHR-DG -BW, VSUN605N-132BMHR-DG-BB, VSUN605N-132BMHR-DG -BT, VSUN605N-132BMHR-DG -WT	48.1	15.8	40.64	14.89	605
VSUNxxxN-120BMHR-DG/120BMHR-DG-BW/120BMHR-DG-BB/120BMHR-DG-BT/120BMHR-DG-WT (xxx=550-585, in steps of 5)					
VSUN585N-120BMHR-DG, VSUN585N-120BMHR-DG -BW, VSUN585N-120BMHR-DG-BB, VSUN585N-120BMHR-DG -BT, VSUN585N-120BMHR-DG -WT	45.05	16.21	38.27	15.29	585
VSUN580N-120BMHR-DG, VSUN580N-120BMHR-DG -BW, VSUN580N-120BMHR-DG-BB, VSUN580N-120BMHR-DG -BT, VSUN580N-120BMHR-DG -WT	44.87	16.15	38.09	15.23	580
VSUN575N-120BMHR-DG, VSUN575N-120BMHR-DG -BW, VSUN575N-120BMHR-DG -BT, VSUN575N-120BMHR-DG -WT	44.69	16.09	37.91	15.17	575



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
DG-BB, VSUN575N-120BMHR-DG -BT, VSUN575N-120BMHR-DG -WT					
VSUN570N-120BMHR-DG, VSUN570N- 120BMHR-DG -BW, VSUN570N-120BMHR- DG-BB, VSUN570N-120BMHR-DG -BT, VSUN570N-120BMHR-DG -WT	44.51	16.03	37.73	15.11	570
VSUN565N-120BMHR-DG, VSUN565N- 120BMHR-DG -BW, VSUN565N-120BMHR- DG-BB, VSUN565N-120BMHR-DG -BT, VSUN565N-120BMHR-DG -WT	44.33	15.97	37.55	15.05	565
VSUN560N-120BMHR-DG, VSUN560N- 120BMHR-DG -BW, VSUN560N-120BMHR- DG-BB, VSUN560N-120BMHR-DG -BT, VSUN560N-120BMHR-DG -WT	44.15	15.91	37.37	14.99	560
VSUN555N-120BMHR-DG, VSUN555N- 120BMHR-DG -BW, VSUN555N-120BMHR- DG-BB, VSUN555N-120BMHR-DG -BT, VSUN555N-120BMHR-DG -WT	43.97	15.85	37.19	14.93	555
VSUN550N-120BMHR-DG, VSUN550N- 120BMHR-DG -BW, VSUN550N-120BMHR- DG-BB, VSUN550N-120BMHR-DG -BT, VSUN550N-120BMHR-DG -WT	43.79	15.79	37.01	14.87	550
VSUNxxxN-108BMHR-DG/108BMHR-DG-BW/108BMHR-DG-BB/108BMHR-DG-BT/108BMHR-DG- WT/VSUNxxxN-108BMHR-DGL/108BMHR-DGL-BW/108BMHR-DGL-BB/108BMHR-DGL- BT/108BMHR-DGL-WT (xxx=495-525, in steps of 5)					
VSUN525N-108BMHR-DG, VSUN525N- 108BMHR-DG-BW, VSUN525N-108BMHR- DG-BB, VSUN525N-108BMHR-DG-BT, VSUN525N-108BMHR-DG-WT/VSUN525N- 108BMHR-DGL, VSUN525N-108BMHR- DGL-BW, VSUN525N-108BMHR-DGL-BB, VSUN525N-108BMHR-DGL-BT, VSUN525N-108BMHR-DGL-WT	40.41	16.22	34.36	15.29	525
VSUN520N-108BMHR-DG, VSUN520N- 108BMHR-DG-BW, VSUN520N-108BMHR- DG-BB, VSUN520N-108BMHR-DG-BT, VSUN520N-108BMHR-DG-WT/VSUN520N- 108BMHR-DGL, VSUN520N-108BMHR- DGL-BW, VSUN520N-108BMHR-DGL-BB, VSUN520N-108BMHR-DGL-BT, VSUN520N-108BMHR-DGL-WT	40.23	16.15	34.18	15.22	520



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
VSUN515N-108BMHR-DG, VSUN515N-108BMHR-DG-BW, VSUN515N-108BMHR-DG-BB, VSUN515N-108BMHR-DG-BT, VSUN515N-108BMHR-DG-WT/VSUN515N-108BMHR-DGL, VSUN515N-108BMHR-DGL-BW, VSUN515N-108BMHR-DGL-BB, VSUN515N-108BMHR-DGL-BT, VSUN515N-108BMHR-DGL-WT	40.06	16.07	34	15.15	515
VSUN510N-108BMHR-DG, VSUN510N-108BMHR-DG-BW, VSUN510N-108BMHR-DG-BB, VSUN510N-108BMHR-DG-BT, VSUN510N-108BMHR-DG-WT/VSUN510N-108BMHR-DGL, VSUN510N-108BMHR-DGL-BW, VSUN510N-108BMHR-DGL-BB, VSUN510N-108BMHR-DGL-BT, VSUN510N-108BMHR-DGL-WT	39.88	16.01	33.82	15.08	510
VSUN505N-108BMHR-DG, VSUN505N-108BMHR-DG-BW, VSUN505N-108BMHR-DG-BB, VSUN505N-108BMHR-DG-BT, VSUN505N-108BMHR-DG-WT/VSUN505N-108BMHR-DGL, VSUN505N-108BMHR-DGL-BW, VSUN505N-108BMHR-DGL-BB, VSUN505N-108BMHR-DGL-BT, VSUN505N-108BMHR-DGL-WT	39.7	15.95	33.64	15.02	505
VSUN500N-108BMHR-DG, VSUN500N-108BMHR-DG-BW, VSUN500N-108BMHR-DG-BB, VSUN500N-108BMHR-DG-BT, VSUN500N-108BMHR-DG-WT/VSUN500N-108BMHR-DGL, VSUN500N-108BMHR-DGL-BW, VSUN500N-108BMHR-DGL-BB, VSUN500N-108BMHR-DGL-BT, VSUN500N-108BMHR-DGL-WT	39.52	15.89	33.46	14.95	500
VSUN495N-108BMHR-DG, VSUN495N-108BMHR-DG-BW, VSUN495N-108BMHR-DG-BB, VSUN495N-108BMHR-DG-BT, VSUN495N-108BMHR-DG-WT/VSUN495N-108BMHR-DGL, VSUN495N-108BMHR-DGL-BW, VSUN495N-108BMHR-DGL-BB, VSUN495N-108BMHR-DGL-BT, VSUN495N-108BMHR-DGL-WT	39.34	15.83	33.28	14.88	495



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
VSUNxxxN-96BMHR-DG/96BMHR-DG-BW/96BMHR-DG-BB/96BMHR-DG-BT/96BMHR-DG-WT/VSUNxxxN-96BMHR-DGL/96BMHR-DGL-BW/96BMHR-DGL-BB/96BMHR-DGL-BT/96BMHR-DGL-WT (xxx=440-470, in steps of 5)					
VSUN470N-96BMHR-DG, VSUN470N-96BMHR-DG-BW, VSUN470N-96BMHR-DG-BB, VSUN470N-96BMHR-DG-BT, VSUN470N-96BMHR-DG-WT/VSUN470N-96BMHR-DGL, VSUN470N-96BMHR-DGL-BW, VSUN470N-96BMHR-DGL-BB, VSUN470N-96BMHR-DGL-BT, VSUN470N-96BMHR-DGL-WT	35.95	16.25	30.8	15.26	470
VSUN465N-96BMHR-DG, VSUN465N-96BMHR-DG-BW, VSUN465N-96BMHR-DG-BB, VSUN465N-96BMHR-DG-BT, VSUN465N-96BMHR-DG-WT/VSUN465N-96BMHR-DGL, VSUN465N-96BMHR-DGL-BW, VSUN465N-96BMHR-DGL-BB, VSUN465N-96BMHR-DGL-BT, VSUN465N-96BMHR-DGL-WT	35.7	16.21	30.62	15.19	465
VSUN460N-96BMHR-DG, VSUN460N-96BMHR-DG-BW, VSUN460N-96BMHR-DG-BB, VSUN460N-96BMHR-DG-BT, VSUN460N-96BMHR-DG-WT/VSUN460N-96BMHR-DGL, VSUN460N-96BMHR-DGL-BW, VSUN460N-96BMHR-DGL-BB, VSUN460N-96BMHR-DGL-BT, VSUN460N-96BMHR-DGL-WT	35.49	16.15	30.44	15.12	460
VSUN455N-96BMHR-DG, VSUN455N-96BMHR-DG-BW, VSUN455N-96BMHR-DG-BB, VSUN455N-96BMHR-DG-BT, VSUN455N-96BMHR-DG-WT/VSUN455N-96BMHR-DGL, VSUN455N-96BMHR-DGL-BW, VSUN455N-96BMHR-DGL-BB, VSUN455N-96BMHR-DGL-BT, VSUN455N-96BMHR-DGL-WT	35.31	16.1	30.26	15.04	455
VSUN450N-96BMHR-DG, VSUN450N-96BMHR-DG-BW, VSUN450N-96BMHR-DG-BB, VSUN450N-96BMHR-DG-BT, VSUN450N-96BMHR-DG-WT/VSUN450N-96BMHR-DGL, VSUN450N-96BMHR-DGL-BW, VSUN450N-96BMHR-DGL-BB,	35.13	16.05	30.07	14.97	450



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
VSUN450N-96BMHR-DGL-BT, VSUN450N-96BMHR-DGL-WT					
VSUN445N-96BMHR-DG, VSUN445N-96BMHR-DG-BW, VSUN445N-96BMHR-DG-BB, VSUN445N-96BMHR-DG-BT, VSUN445N-96BMHR-DG-WT/VSUN445N-96BMHR-DGL, VSUN445N-96BMHR-DGL-BW, VSUN445N-96BMHR-DGL-BB, VSUN445N-96BMHR-DGL-BT, VSUN445N-96BMHR-DGL-WT	34.95	16	29.9	14.89	445
VSUN440N-96BMHR-DG, VSUN440N-96BMHR-DG-BW, VSUN440N-96BMHR-DG-BB, VSUN440N-96BMHR-DG-BT, VSUN440N-96BMHR-DG-WT/VSUN440N-96BMHR-DGL, VSUN440N-96BMHR-DGL-BW, VSUN440N-96BMHR-DGL-BB, VSUN440N-96BMHR-DGL-BT, VSUN440N-96BMHR-DGL-WT	34.77	15.95	29.72	14.81	440
VSUNxxxN-108BMHS-DG/108BMHS-DG-BW/108BMHS-DG-BB/108BMHS-DG-BT/108BMHS-DG-WT/VSUNxxxN-108BMHS-DGL/108BMHS-DGL-BW/108BMHS-DGL-BB/108BMHS-DGL-BT/108BMHS-DGL-WT(xxx=430-475, in steps of 5)					
VSUN475N-108BMHS-DG, VSUN475N-108BMHS-DG-BW, VSUN475N-108BMHS-DG-BB, VSUN475N-108BMHS-DG-BT, VSUN475N-108BMHS-DG-WT/VSUN475N-108BMHS-DGL, VSUN475N-108BMHS-DGL-BW, VSUN475N-108BMHS-DGL-BB, VSUN475N-108BMHS-DGL-BT, VSUN475N-108BMHS-DGL-WT	40.3	14.83	33.69	14.1	475
VSUN470N-108BMHS-DG, VSUN470N-108BMHS-DG-BW, VSUN470N-108BMHS-DG-BB, VSUN470N-108BMHS-DG-BT, VSUN470N-108BMHS-DG-WT/VSUN470N-108BMHS-DGL, VSUN470N-108BMHS-DGL-BW, VSUN470N-108BMHS-DGL-BB, VSUN470N-108BMHS-DGL-BT, VSUN470N-108BMHS-DGL-WT	40.1	14.76	33.5	14.03	470
VSUN465N-108BMHS-DG, VSUN465N-108BMHS-DG-BW, VSUN465N-108BMHS-DG-BB, VSUN465N-108BMHS-DG-BT, VSUN465N-108BMHS-DG-WT/VSUN465N-	39.9	14.69	33.32	13.96	465



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
108BMHS-DGL, VSUN465N-108BMHS-DGL-BW, VSUN465N-108BMHS-DGL-BB, VSUN465N-108BMHS-DGL-BT, VSUN465N-108BMHS-DGL-WT					
VSUN460N-108BMHS-DG, VSUN460N-108BMHS-DG-BW, VSUN460N-108BMHS-DG-BB, VSUN460N-108BMHS-DG-BT, VSUN460N-108BMHS-DG-WT/VSUN460N-108BMHS-DGL, VSUN460N-108BMHS-DGL-BW, VSUN460N-108BMHS-DGL-BB, VSUN460N-108BMHS-DGL-BT, VSUN460N-108BMHS-DGL-WT	39.7	14.62	33.15	13.88	460
VSUN455N-108BMHS-DG, VSUN455N-108BMHS-DG-BW, VSUN455N-108BMHS-DG-BB, VSUN455N-108BMHS-DG-BT, VSUN455N-108BMHS-DG-WT/VSUN455N-108BMHS-DGL, VSUN455N-108BMHS-DGL-BW, VSUN455N-108BMHS-DGL-BB, VSUN455N-108BMHS-DGL-BT, VSUN455N-108BMHS-DGL-WT	39.5	14.55	32.98	13.8	455
VSUN450N-108BMHS-DG, VSUN450N-108BMHS-DG-BW, VSUN450N-108BMHS-DG-BB, VSUN450N-108BMHS-DG-BT, VSUN450N-108BMHS-DG-WT/VSUN450N-108BMHS-DGL, VSUN450N-108BMHS-DGL-BW, VSUN450N-108BMHS-DGL-BB, VSUN450N-108BMHS-DGL-BT, VSUN450N-108BMHS-DGL-WT	39.3	14.47	32.8	13.72	450
VSUN445N-108BMHS-DG, VSUN445N-108BMHS-DG-BW, VSUN445N-108BMHS-DG-BB, VSUN445N-108BMHS-DG-BT, VSUN445N-108BMHS-DG-WT/VSUN445N-108BMHS-DGL, VSUN445N-108BMHS-DGL-BW, VSUN445N-108BMHS-DGL-BB, VSUN445N-108BMHS-DGL-BT, VSUN445N-108BMHS-DGL-WT	39.1	14.39	32.63	13.64	445
VSUN440N-108BMHS-DG, VSUN440N-108BMHS-DG-BW, VSUN440N-108BMHS-DG-BB, VSUN440N-108BMHS-DG-BT, VSUN440N-108BMHS-DG-WT/VSUN440N-108BMHS-DGL, VSUN440N-108BMHS-	38.9	14.31	32.45	13.56	440



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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
DGL-BW, VSUN440N-108BMHS-DGL-BB, VSUN440N-108BMHS-DGL-BT, VSUN440N-108BMHS-DGL-WT					
VSUN435N-108BMHS-DG, VSUN435N- 108BMHS-DG-BW, VSUN435N-108BMHS- DG-BB, VSUN435N-108BMHS-DG-BT, VSUN435N-108BMHS-DG-WT/VSUN435N- 108BMHS-DGL, VSUN435N-108BMHS- DGL-BW, VSUN435N-108BMHS-DGL-BB, VSUN435N-108BMHS-DGL-BT, VSUN435N-108BMHS-DGL-WT	38.7	14.23	32.27	13.48	435
VSUN430N-108BMHS-DG, VSUN430N- 108BMHS-DG-BW, VSUN430N-108BMHS- DG-BB, VSUN430N-108BMHS-DG-BT, VSUN430N-108BMHS-DG-WT/VSUN430N- 108BMHS-DGL, VSUN430N-108BMHS- DGL-BW, VSUN430N-108BMHS-DGL-BB, VSUN430N-108BMHS-DGL-BT, VSUN430N-108BMHS-DGL-WT	38.5	14.15	32.09	13.4	430
VSUNxxxN-108BMHS/108BMHS-BW/108BMHS-BB/108BMHS-BT/108BMHS-WT/VSUNxxxN- 108BMHS/108BMHS-BW/108BMHS-BB/108BMHS-BT/108BMHS-WT(xxx=430-475, in steps of 5)					
VSUN475N-108BMHS, VSUN475N- 108BMHS-BW, VSUN475N-108BMHS-BB, VSUN475N-108BMHS-BT, VSUN475N- 108BMHS-WT	40.3	14.83	33.69	14.1	475
VSUN470N-108BMHS, VSUN470N- 108BMHS-BW, VSUN470N-108BMHS-BB, VSUN470N-108BMHS-BT, VSUN470N- 108BMHS-WT	40.1	14.76	33.5	14.03	470
VSUN465N-108BMHS, VSUN465N- 108BMHS-BW, VSUN465N-108BMHS-BB, VSUN465N-108BMHS-BT, VSUN465N- 108BMHS-WT	39.9	14.69	33.32	13.96	465
VSUN460N-108BMHS, VSUN460N- 108BMHS-BW, VSUN460N-108BMHS-BB, VSUN460N-108BMHS-BT, VSUN460N- 108BMHS-WT	39.7	14.62	33.15	13.88	460
VSUN455N-108BMHS, VSUN455N- 108BMHS-BW, VSUN455N-108BMHS-BB, VSUN455N-108BMHS-BT, VSUN455N- 108BMHS-WT	39.5	14.55	32.98	13.8	455

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	Open Circuit Voltage at STC (V dc)	Short Circuit Current at STC (A dc)	Rated Voltage at STC (V dc)	Rated Current at STC (A dc)	Rated Maximum Power at STC (Watts)
VSUN450N-108BMHS, VSUN450N-108BMHS-BW, VSUN450N-108BMHS-BB, VSUN450N-108BMHS-BT, VSUN450N-108BMHS-WT	39.3	14.47	32.8	13.72	450
VSUN445N-108BMHS, VSUN445N-108BMHS-BW, VSUN445N-108BMHS-BB, VSUN445N-108BMHS-BT, VSUN445N-108BMHS-WT	39.1	14.39	32.63	13.64	445
VSUN440N-108BMHS, VSUN440N-108BMHS-BW, VSUN440N-108BMHS-BB, VSUN440N-108BMHS-BT, VSUN440N-108BMHS-WT	38.9	14.31	32.45	13.56	440
VSUN435N-108BMHS, VSUN435N-108BMHS-BW, VSUN435N-108BMHS-BB, VSUN435N-108BMHS-BT, VSUN435N-108BMHS-WT	38.7	14.23	32.27	13.48	435
VSUN430N-108BMHS, VSUN430N-108BMHS-BW, VSUN430N-108BMHS-BB, VSUN430N-108BMHS-BT, VSUN430N-108BMHS-WT	38.5	14.15	32.09	13.4	430

APPLICABLE REQUIREMENTS

CSA C22.2 No. 61730-1:19 Photovoltaic (PV) module safety qualification — Part 1: Requirements for construction, 2019-12.

CSA C22.2 No. 61730-2:19 Photovoltaic (PV) module safety qualification — Part 2: Requirements for testing, 2019-12.

UL 61730-1 2nd: Photovoltaic (PV) Module Safety Qualification – Part 1: Requirements for Construction, 2022-10-28.

UL 61730-2 2nd: Photovoltaic (PV) Module Safety Qualification – Part 2: Requirements for Testing, 2022-10-28, reprint 2023-10-10.

Notes:

Products certified under Class C531110 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
80267948	2025-09-04	Update report 80098025 to add a new junction box HBABabc manufactured by 'AMPHENOL INDUSTRIAL OPERATIONS or AMPHENOL TECHNOLOGY (SHENZHEN) CO., LTD.
80256384	2025-08-12	Update report 80098025 to add a new Flux (952-S, Alpha Assembly Solutions, Inc.), a new Cell connector (JH MATERIALS CO., Ltd.), a new String connector (JH MATERIALS CO., Ltd.) and two frames (Shinyang Metal Vietnam Co. Ltd., DO THANH ALUMINUM JOINT STOCK COMPANY).
80251225	2025-06-26	Update report 80098025 to add a new 182mm cell(G12R-A-16BB, PT BINTAN CELLULAR INDONESIA); add new cell connector & string connector (DESHENGCHANG NEW MATERIAL (THAILAND) CO.,LTD); add new Frame parts (6005-T6, Jiangsu GoodSun New Energy Co., LTD); add new Adhesive for frame and junction box (GOLOHO-3901-HW, GOLOHO NEW MATERIALS (VIETNAM) CO., LTD. or GOLOHO POLYMER (JIANGXI) CO., LTD); add new Potting material Adhesive for junction box (GOLOHO-313-AB, GOLOHO NEW MATERIALS (VIETNAM) CO., LTD. or GOLOHO POLYMER (JIANGXI) CO., LTD) in VSUNxxxN-132BMHR-DG (132BMHR-DG-BW/132BMHR-DG-BB/132BMHR-DG-BT/132BMHR-DG-WT) (xxx=605-645, in steps of 5) module series.
80238936	2025-04-25	Update report 80098025 to add a new factory (TOYO SOLAR TEXAS LLC., ID: 6027862), correct the material combination about the Cells and the Encapsulations in the "Tested combination of materials", add the new subsidiaries of CSG under the same manufacturer & quality control system, correct the junction box adhesive type name for PV-ZH011C-3i series, add new cell subsidiaries of TOYO under the same manufacturer & quality control system, add new junction box subsidiaries of QC under the same manufacturer & quality control system, add two frame manufacturer with the same spec.
80244358	2025-02-22	Update report 80098025 to add new 182mm cells (type NSND16B182 made by PT NUSA SOLAR INDONESIA and type DM-P-182-10BB made by PT. DUOMAX SOLAR INDONESIA) for VSUNxxxN-144BMH series (include both single glass module and double glass module series; update the cell & encapsulant combination for M18216BTP10, correct the description of encapsulant for type C11, the description of solar cell for type G10L-A-16BB & TY-N-M12RB16 & TY-N-G12B18 & TY-N-M10B10 & TY-P-M10B10 & TY-N-M10R1B16, update the dimension of VSUNxxxN-120BMHR/MHR & VSUNxxxN-132BMHR/MHR & VSUNxxxN-120BMHR-DG & VSUNxxxN-



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132BMHR-DG series, extend the output rating for VSUNxxxN-120BMH-DG & VSUNxxxN-132BMH-DG & VSUNxxxN-156BMH & VSUNxxxN-96MH & VSUNxxxN-108MH & VSUNxxxN-120MH & VSUNxxxN-132MH & VSUNxxxN-144MH & VSUNxxxN-96BMH & VSUNxxxN-108BMH & VSUNxxxN-120BMH & VSUNxxxN-132BMH & VSUNxxxN-144BMH.

80233526	2024-11-15	Update report 80098025 to (1) add new 182mm cells (Type G10L-A-16BB, PT BINTAN CELLULAR INDONESIA or YIBIN YINGFA DEYAO TECHNOLOGY CO., LTD.) in VSUNxxxN-144BMH-DG (144BMH-DG-BW/144BMH-DG-BB/144BMH-DG-BT/144BMH-DG-WT) (xxx=550-600, in steps of 5) and VSUNxxxN-144BMH (144BMH-BW/144BMH-BB/144BMH-BT/144BMH-WT) (xxx=550-600, in steps of 5) module series. (2) the cell manufacturer “Vietnam Sunergy Cell Company Limited” is changed to “TOYO SOLAR COMPANY LIMITED”.
80213240	2024-09-03	Update report 80098025 to add new BOM material combinations, change the model’s name VSUNxxxN-132BMHT-DG(132BMHT-DG-BW/132BMHT-DG-BB/132BMHT-DG-BT/132BMHT-DG-WT) (xxx=680-725, in steps of 5) to VSUNxxxN-132BMH-DG (132BMH-DG-BW/132BMH-DG-BB/132BMH-DG-BT/132BMH-DG-WT) (xxx=680-725, in steps of 5) module series, change the model’s name VSUNxxxN-120BMHT-DG (120BMHT-DG-BW/120BMHT-DG-BB/120BMHT-DG-BT/120BMHT-DG-WT) (xxx=615-650, in steps of 5) to VSUNxxxN-120BMH-DG (120BMH-DG-BW/120BMH-DG-BB/120BMH-DG-BT/120BMH-DG-WT) (xxx=615-650, in steps of 5) module series, change the company name from “Changzhou Guangcai New Energy Technology Co., Ltd” to “Suzhou Guangcai New Energy Technology Co., Ltd.”.
80213239	2024-05-24	Update report 80098025 to add new 120BMH-DGL & 108BMH-DGL & 96BMH-DGL & 108BMHS & 108BMHR-DGL & 96BMHR-DGL & 108BMHS-DG & 108BMHS-DGL series with new BOM materials.
80199119	2024-05-24	Update report 80098025 to change the model series name form 132BMH-DG & 120BMH-DG to 132BMHT-DG & 120BMHT-DG; revise the electrical rating for model series VSUNxxxN-144BMH, VSUNxxxN-132BMH, VSUNxxxN-120BMH, VSUNxxxN-108BMH, VSUNxxxN-96BMH, VSUNxxxN-144MH, VSUNxxxN-132MH, VSUNxxxN-120MH, VSUNxxxN-108MH, VSUNxxxN-96MH, VSUNxxxN-156BMH, VSUNxxxN-156MH; add new superstrate made by KIBING; add new encapsulation factory location under same manufacturer group; add new encapsulation (T22H&C11); add new substrate factory location under same manufacturer group; add new substrate (Cynagard 455A(R)P); add new connector for PV-ZH011C-5 series; add new connectors, diodes and cables for 3Qxy series.
80210302	2024-04-30	Update report 80098025 to add new BMHR series with new BOM material.
80191499	2024-04-23	Update report 80098025 to revise the standard version of UL 61730, add new junction box 3Qxy made by QC solar, add new glass/encapsulation/junction



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		box/junction box cable/junction box diode manufacturer under the same factory group, update the ribbon size, add new spec for frame under same manufacturer.
80205209	2024-04-23	Update report 80098025 to add new junction box factory and frame factory under the same manufacturer.
80191497	2024-01-25	Update report 80098025 to add new 210mm cell series (double glass model).
80180416	2024-01-12	Update report 80098025 to add new label manufacturer under the same group, new superstrate, correct the cell type name, new cell, new encapsulations, new substrate, new junction box, new ribbon manufacturer.
80191498	2023-12-07	Update report 80098025 to add new series VSUNxxxN-156BMH-DG (156BMH-DG-BW/156BMH-DG-BB/156BMH-DG-BT/156BMH-DG-WT), VSUNxxxN-156BMH (156BMH-BW/156BMH-BB/156BMH-BT/156BMH-WT), VSUNxxxN-156MH (156MH-BW/156MH-BB), add new diode manufacturer with same spec (OEM with different brand at the same location), correct the cell thickness, update the installation manual with torque and grounding wire description under the new version, update the frame and grounding hole description based on the frame drawing.
80177250	2023-08-02	Update report 80098025 to add new series VSUNxxxN-144BMH/132BMH/120BMH/108BMH/96BMH, VSUNxxx-156BMH-DG, VSUNxxx-96BMH-DG/96BMH, VSUNxxxN-144MH/132MH/120MH/108MH/96MH with new module dimension, new cell (VTS-N-M10B16&VTS-N-P-M10B10F148&VTS-P-M10B10), new cell ribbon size under the same manufacturer, new encapsulant material combination (B602M& B601HP, TF4&S806), update the grounding hole size and number, new flux (SF180S), new position tape (D60F6-2).
80175673	2023-07-04	Update report 80098025 to add a new factory (THORNOVA SOLAR VIET NAM COMPANY LIMITED., ID: 6018619).
80164197	2023-05-12	Update report 80098025 to add a new factory (VIETNAM COLUMBUS RENEWABLE ENERGY CO., LTD., ID: 6018331).
80156139	2023-05-10	Update report 80098025 to add new VSUNxxx-132BMH model series, add new encapsulant material (B601HP&B602MP) and revise the thickness, update the manufacturer information of Betterial, add substrate FFC-JW30M(plus), add two new diodes for PV-TS11-20A.
80156103	2023-02-07	Update report 80098025 to add a new substrate PV308C.
80156104	2023-02-07	Update report 80098025 to add a new encapsulate material (B602M, T22H) with new combination, revised the component information according to the client requirement with related material.
80151337	2022-12-09	Update report 80098025 to add new MH-BB series model for 156~182mm cell under 1500V system voltage, add new dimension under 10%, correct the description about superstrate & substrate, add new connector (type PV-KST4/6II-UR (male) and PV-KBT4/6II-UR(female)) for junction box model PV-TS11-20A, add new junction box model PV-TS11-20.



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80141901	2022-11-08	Update report 80098025 to add a new factory (VIETNAM SUNERGY JOINT STOCK COMPANY, ID: 6016164), add new frame manufacturer with same spec, add new module dimension, add new ribbon size within 10%, update the new electrical rating for PV-ZH011C-5, PV-TS11-20A.
80137793	2022-10-09	Update report 80098025 to add a new factory (DEHUI SOLAR POWER (VIETNAM) Company Limited, ID 4971950).
80137051	2022-09-23	Update report 80098025 to add a new factory (VIET NAM EMPIRE SOLAR ENERGY COMPANY LIMITED).
80128215	2022-08-30	Update report 80098025 to add a new junction box LC4R1-X.
80128214	2022-08-30	Update report 80098025 to transfer the material with combination according to CSA report 80008066 under the same master contract No. under the same client.
80098025	2022-07-27	Part 1: Original certificate for BMH-DG model series (combined with project 80098026); Part 2: Update report 80098025 to add new BMH model series (combined with project 80098024); Part 3: Update report 80098025 to add new BB model series.