



Certificate of Compliance

Certificate: 80008066

Master Contract: 265697

Project: 80008066

Date Issued: 2019-06-25

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: Sean Jiang
Sean Jiang

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 class (Canada): Class C, Fire Performance (USA) Similar as Type 3 with frame, 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 class (Canada): Class C, Fire Performance (USA) Similar as Type 3 with frame, 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 class (Canada): Class C, Fire Performance (USA) Similar as Type 3 with frame, maximum system voltage of 1500 V dc, model series: VSUNxxx-72BMH-DG (xxx=350-375, in steps of 5), Fuse rating 20A.

Photovoltaic modules with Fire class (Canada): Class C, Fire Performance (USA) Similar as Type 3 with frame, maximum system voltage of 1500 V dc, model series: VSUNxxx-60BMH-DG (xxx=295-315, in steps of 5), Fuse rating 20A.

Notes:

1. Rated electrical characteristics are within +/-10% of measured values at Standard Test Conditions of 100 mW/cm² irradiance, AM 1.5 spectrum, and cell temperature of 25°C, NOCT: 45°C.



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Model	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-72MH-DG (xxx=355-370, 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 (xxx=350-375, in steps of 5)					
VSUN375-72BMH-DG	48.5	9.85	39.9	9.4	375
VSUN370-72BMH-DG	48.2	9.79	39.7	9.32	370
VSUN365-72BMH-DG	47.9	9.72	39.5	9.25	365
VSUN360-72BMH-DG	47.7	9.68	39.2	9.18	360
VSUN355-72BMH-DG	47.6	9.63	39.0	9.11	355
VSUN350-72BMH-DG	47.4	9.57	38.9	9.01	350
VSUNxxx-60BMH-DG (xxx=295-315, in steps of 5)					
VSUN315-60BMH-DG	40.8	9.87	34.5	9.14	315
VSUN310-60BMH-DG	40.5	9.82	34.2	9.08	310
VSUN305-60BMH-DG	40.2	9.76	33.9	9.02	305
VSUN300-60BMH-DG	40	9.66	33.5	8.97	300
VSUN295-60BMH-DG	39.8	9.57	33.2	8.89	295

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 61730-1:11	Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction
CAN/CSA-C22.2 No. 61730-2:11	Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing
UL 61730-1:2017	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction
UL 61730-2:2017	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing



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
80008066	2019-06-25	Original certificate, full investigation for model series VSUNxxx-72BMH-DG, VSUNxxx-60BMH-DG, VSUNxxx-72MH-DG and VSUNxxx-60MH-DG



CERTIFICATE

No. Z2 092954 0019 Rev. 00

**Holder of Certificate: 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

Certification Mark:



Product:	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules Mono-crystalline Silicon Photovoltaic module
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The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 704061802612-00

Valid until: 2024-06-12

Date, 2019-06-13

(Zhulin Zhang)

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Product Service

CERTIFICATE

No. Z2 092954 0019 Rev. 00

Model(s):

VSUNxxx-72BMH-DG (xxx=350-375, in step of 5);
VSUNxxx-60BMH-DG (xxx=295-310, in step of 5).
xxx is standing for rated output power at STC.

Parameters:

Construction:	Framed with Junction box, Cable and Connectors.
Safe Class :	Class II
Maximum System Voltage:	1500 V DC
Fire Safety Class:	Class A according to UL790
Test Laboratory:	Yangzhou Opto-Electrical Products Testing Institute, No. 10 West Kaifa Road, Yangzhou, 225009 Jiangsu, P. R. China.

Tested according to:

IEC 61215-1(ed.1)
IEC 61215-1-1(ed.1)
IEC 61215-2(ed.1)
IEC 61730-1(ed.2)
IEC 61730-2(ed.2)

Production Facility(ies):

092954