

Mars Series

370W/375W/380W/385W

SUN 60M-H6







9BB HALF-CELL MONO PV MODULE



COMPREHENSIVE CERTIFICATES

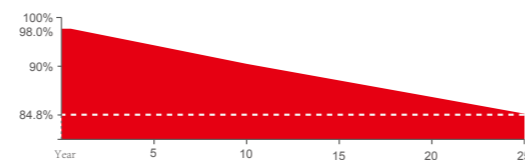
IEC61215 / IEC61730 / IEC61701 / IEC62716 / IEC62804
 ISO 9001: 2015 Quality management systems;
 ISO 14001: 2015 Environmental management systems;
 OHSAS 18001: 2007 Occupational health and safety management systems;

KEY SALIENT FEATURES

-  **High output power**
-  **Better power generation under shadows**
-  **Strong anti-hot spot ability**
-  **Strong mechanical load capacity**
-  **Super strong frame**
-  **1500V 1500V system voltage**

LINEAR PERFORMANCE WARRANTY

- 12 Years Manufacturing Warranty
- 12 Years 92.0% Power Output
- 25 Years 84.8% Power Output



SUNERGY USA WORKS LLC

Founded in 2008, Sunergy is a manufacturer of high-performance photovoltaic products. With 12 manufacturing bases and more than 20 branches around the world, the company's business covers modules, photovoltaic power stations and EPC. Sunergy products are available in over 120 countries and regions and are used extensively in ground-mounted power plants, commercial & industrial rooftop PV systems and residential rooftop PV systems.

QUALIFICATIONS AND CERTIFICATES

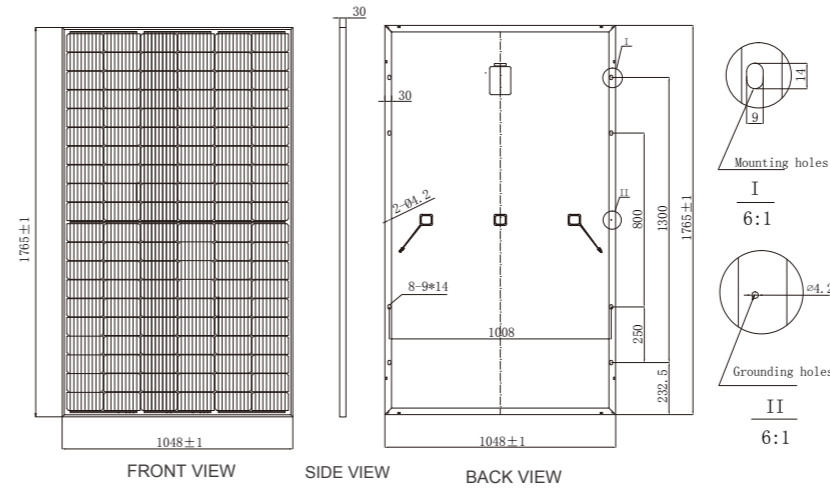


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Mars Series SUN 60M-H6

MECHANICAL DRAWINGS



MECHANICAL SPECIFICATION

Cell Type	Mono Crystalline 166x83mm
Number Of Cells	120 (6x20)
Dimensions(AxBxC)	1765x1048x30mm
Weights	20.5kg
Glass	3.2mm Tempered Low Iron Glass
Aluminium Frame	Anodised Aluminium
Junction Box	Split Junction Box (IP68 ,three diode)
Connector	Mc4 Compatible
Output Cables	4.0mm ² ,+300mm,-300mm Customized Length

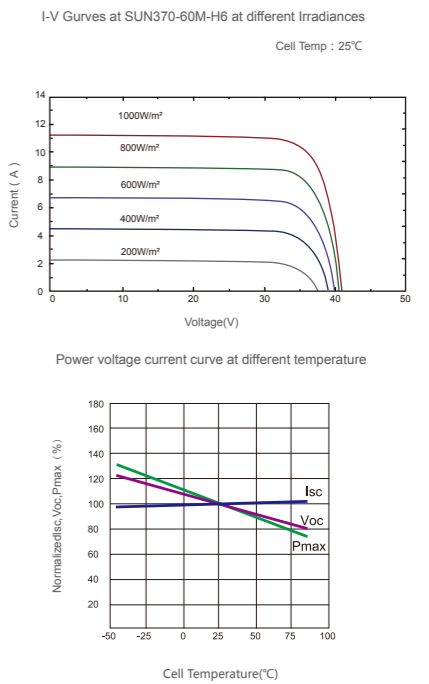
ELECTRICAL CHARACTERISTICS

Module Type	370W		375W		380W		385W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power At STC(Pmax)	370W	278.1W	375W	281.9W	380W	285.6W	385W	289.4W
Short Circuit Current(Isc)	11.26A	9.10A	11.34A	9.16A	11.42A	9.23A	11.51A	9.30A
Open Circuit Voltage(Voc)	41.3V	38.5V	41.5V	38.7V	41.7V	38.9V	42.0V	39.2V
Maximum Power Current(Imp)	10.76A	8.62A	10.84A	8.69A	10.92A	8.75A	11.00A	8.82A
Maximum Power Voltage(Vmpp)	34.4V	32.3V	34.6V	32.5V	34.8V	32.7V	35.0V	32.8V
Module Efficiency	20.00%		20.27%		20.54%		20.81%	
Power Tolerance	0~+5W		0~+5W		0~+5W		0~+5W	
Maximum System Voltage	VDC 1500V							
Maximum Series Fuse	20A							
Increased Snowload Acc.to Iec 61215	5400Pa							
Operating Temperature	-40~+85°C							
Number Of Bypass Diodes	3							
Norminal Operating Cell Temperature(Noct)	45°C±2°C							
Temperature Coefficient Of Pmax	-0.36%/°C							
Temperature Coefficient Of Voc	-0.29%/°C							
Temperature Coefficient Of Isc	0.05%/°C							

STC: 1000W/m² irradiance, 25°C cell temperature, AM1.5. NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, wind speed 1m/s.



I-V CURVES



PACKING CONFIGURATION

Container	40' HQ
Pieces Per Pallet	36
Pallets Per Container	24
Pieces Per Container	888

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