

Mars Series

330W/335W/340W/345W/350W/355W

SUN 60M-HF

MBB 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 system voltage

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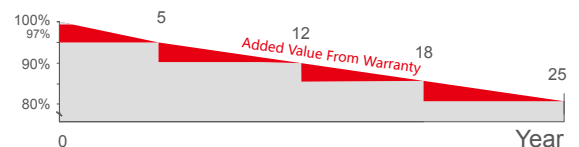
Founded in 2008, Sunergy is a manufacturer of high-performance photovoltaic products. With 12 manufacturing bases and more than 20 branches around the world, the company's business covers modules, photovoltaic power stations and EPC. Sunergy products are available in over 120 countries and regions and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

QUALIFICATIONS AND CERTIFICATES



LINEAR PERFORMANCE WARRANTY

- 12 Years Manufacturing Warranty
- 12 Years 90% Power Output
- 25 Years 80% Power Output

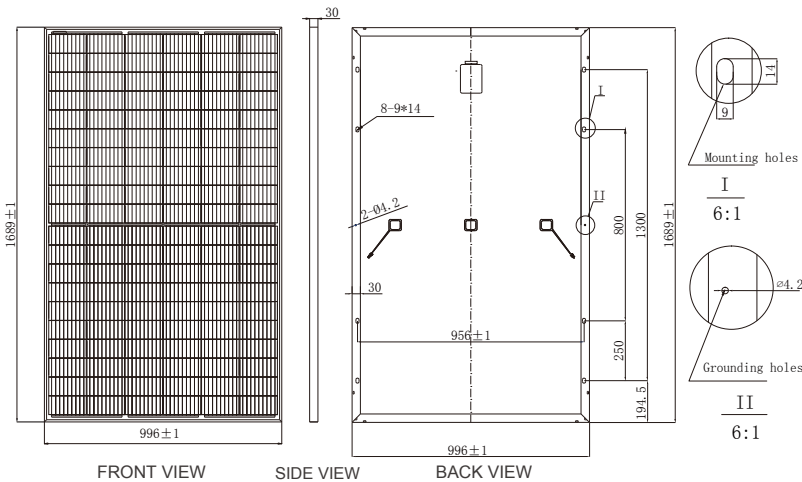


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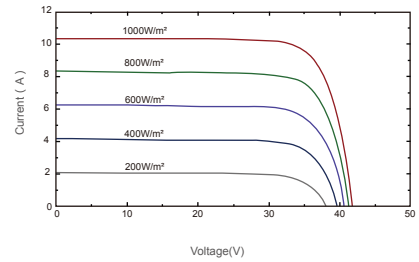
Mars Series SUN 60M-HF

MECHANICAL DRAWINGS

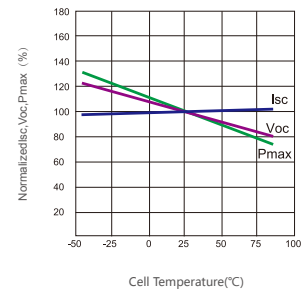


I-V CURVES

I-V Curves at SUN335-60M-HF at different Irradiances
Cell Temp : 25°C



Power voltage current curve at different temperature



MECHANICAL SPECIFICATION

Cell Type	Mono Crystalline 158.75x79.375mm
Number Of Cells	120 (6x20)
Dimensions(AxBxC)	1689x996x30mm
Weights	19.0kg
Glass	3.2mm Tempered Low Iron Glass
Aluminium Frame	Anodised Aluminium
Junction Box	Split Junction Box (IP68 ,three diode)
Connector	Mc4 Compatible
Output Cables	4.0mm²,+300mm,-300mm Customized Length

PACKING CONFIGURATION

Container	40' HQ
Pieces Per Pallet	36
Pallets Per Container	26
Pieces Per Container	962

ELECTRICAL CHARACTERISTICS

Module Type	330W		335W		340W		345W		350W		355W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power At STC(Pmax)	330W	248.1W	335W	251.8W	340W	255.6W	345W	259.3W	350W	263.1W	355W	266.8W
Short Circuit Current(Isc)	10.30A	8.34A	10.39A	8.41A	10.48A	8.48A	10.57A	8.56A	10.66A	8.63A	10.74A	8.70A
Open Circuit Voltage(Voc)	41.6V	38.8V	41.8V	39.0V	42.0V	39.2V	42.3V	39.4V	42.5V	39.6V	42.7V	39.8V
Maximum Power Current(Imp)	9.76A	7.90A	9.85A	7.97A	9.94A	8.04A	10.03A	8.11A	10.12A	8.18A	10.20A	8.24A
Maximum Power Voltage(Vmpp)	33.8V	31.4V	34.0V	31.6V	34.2V	31.8V	34.4V	32.0V	34.6V	32.2V	34.8V	32.4V
Module Efficiency	19.62%		19.91%		20.21%		20.51%		20.81%		21.10%	
Power Tolerance	0~+5W		0~+5W		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.



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