

Mars Series

360W/365W/370W/375W/

SUN 60MD-H6S

HALF-CELL BIFACIAL MBB MONO
PERC DOUBLE GLASS 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



Enhanced safety



Easy to install



High tolerance for harsh environment and extreme weather conditions

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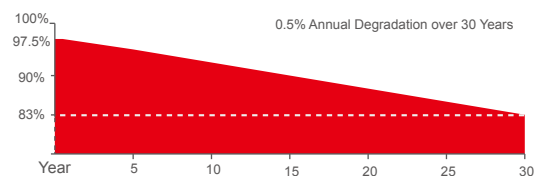
Founded in 2008, Sunergy is a manufacturer of high-performance photovoltaic products. With 12 manufacturing bases and more than 20 branches around the world, the company's business covers modules, photovoltaic power stations and EPC. Sunergy products are available in over 120 countries and regions and 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 92% Power Output
- 30 Years 83% Power Output

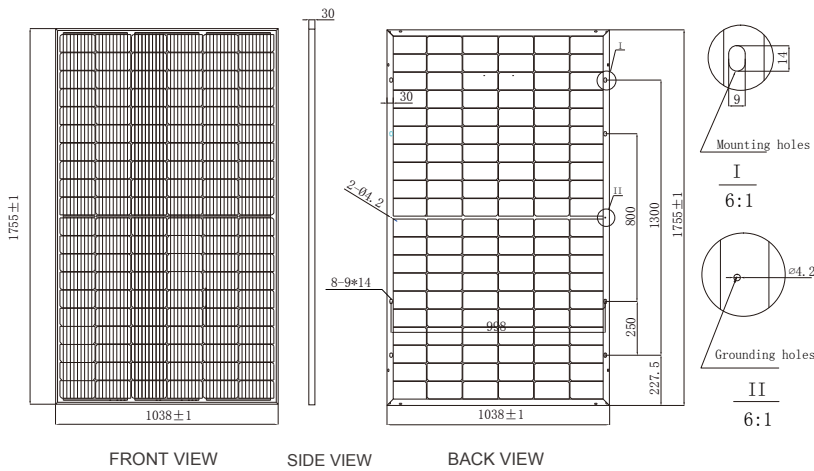


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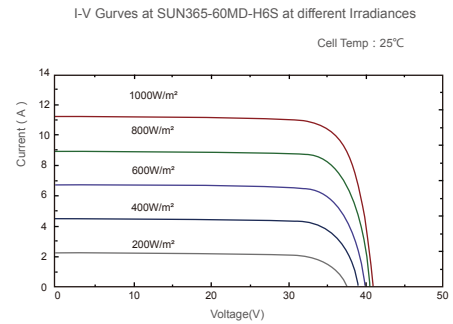


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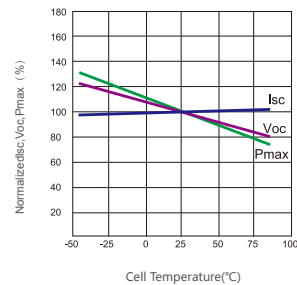
MECHANICAL DRAWINGS



I-V CURVES



Power voltage current curve at different temperature



MECHANICAL SPECIFICATION

Cell Type	Mono Crystalline 166x83mm
Number Of Cells	120 (6x20)
Dimensions(AxBxC)	1755x1038x30mm
Weights	24.0kg
Glass	2.0/2.0mm 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	35
Pallets Per Container	24
Pieces Per Container	840

ELECTRICAL CHARACTERISTICS

Module Type	360W		365W		370W		375W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power At STC(Pmax)	360W	270.6W	365W	274.4W	370W	278.1W	375W	281.9W
Short Circuit Current(Isc)	11.08A	8.95A	11.16A	9.02A	11.26A	9.10A	11.34A	9.16A
Open Circuit Voltage(Voc)	40.9V	38.1V	41.1V	38.3V	41.3V	38.5V	41.5V	38.7V
Maximum Power Current(Imp)	10.59A	8.49A	10.67A	8.55A	10.76A	8.62A	10.84A	8.69A
Maximum Power Voltage(Vmpp)	34.0V	31.9V	34.2V	32.1V	34.4V	32.3V	34.6V	32.5V
Module Efficiency	19.76%		20.04%		20.31%		20.58%	
Power Tolerance	0~+5W		0~+5W		0~+5W		0~+5W	

ELECTRICAL CHARACTERISTICS WITH DIFFERENT REAR SIDE POWER GAIN

(Reference to 370W Front)

	5%	10%	15%	20%	25%
Backside Power Gain	5%	10%	15%	20%	25%
Maximum Power At STC(Pmax)	389	407	426	444	463
Short Circuit Current(Isc)	11.82	12.37	12.95	13.46	14.03
Open Circuit Voltage(Voc)	41.3	41.3	41.3	41.4	41.4
Maximum Power Current(Imp)	11.31	11.83	12.38	12.87	13.42
Maximum Power Voltage(Vmpp)	34.4	34.4	34.4	34.5	34.5

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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