Mars Series

650W/655W/660W/665W/670W/

SUN 66M-H12

MBB HALF-CELL MONO PV MODULE
210MM CELLS

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

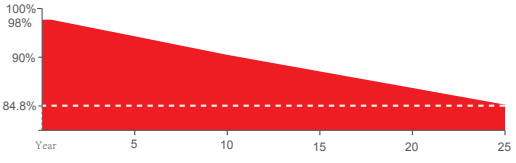
- High output power
- Better power generation under shadows
- Strong anti-hot spot ability
- Strong mechanical load capacity
- Super strong frame
- 1500V system voltage

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.

LINEAR PERFORMANCE WARRANTY

- 12 Years Manufacturing Warranty
- 12 Years 92% Power Output
- 25 Years 84.8% Power Output



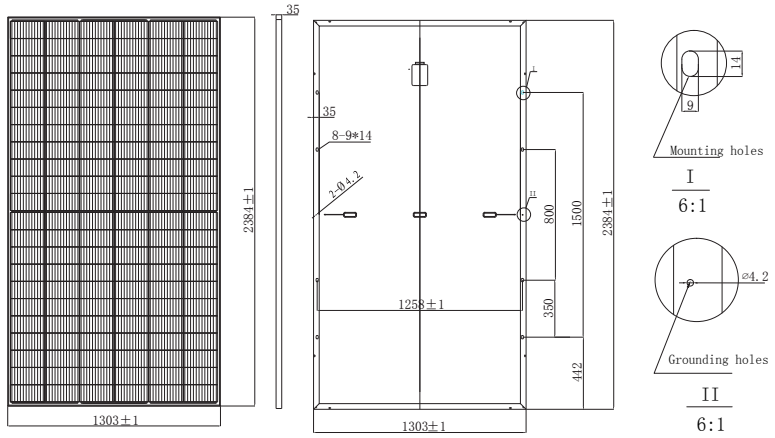
QUALIFICATIONS AND CERTIFICATES

SUNERGY

SUNERGY USA WORKS LLC
www.sunergyworks.com

Mars Series SUN 66M-H12

MECHANICAL DRAWINGS

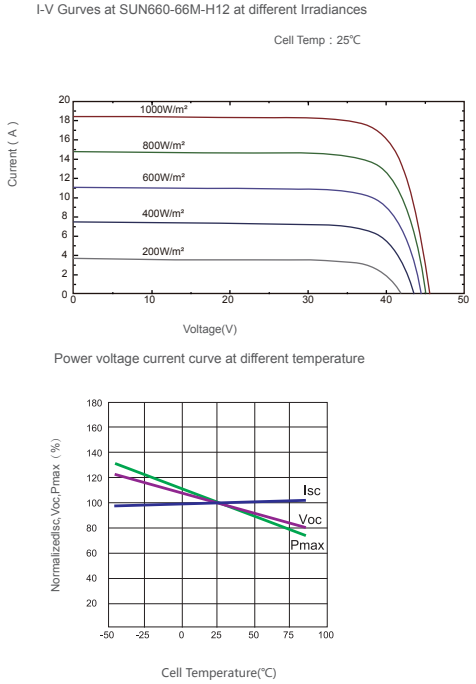


FRONT VIEW SIDE VIEW BACK VIEW

MECHANICAL SPECIFICATION

Cell Type	Mono Crystalline 210x105mm
Number Of Cells	132（6x22）
Dimensions(AxBxC)	2384x1303x35mm
Weights	34.5kg
Glass	3.2mm Tempered Low Iron Glass
Aluminium Frame	Anodised Aluminium
Junction Box	Split Junction Box (IP68 ,three diode)
Connector	Mc4 Compatible
Output Cables	4.0mm²,+300mm,-300mm Customized Length

I-V CURVES



PACKING CONFIGURATION

Container	40′ HQ
Pieces Per Pallet	31
Pallets Per Container	17
Pieces Per Container	527

ELECTRICAL CHARACTERISTICS

Module Type	650W		655W		660W		665W		670W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power At STC(Pmax)	650W	492.7W	655W	496.5W	660W	500.2W	665W	504.0W	670W	507.8W
Short Circuit Current(Isc)	18.35A	14.83A	18.39A	14.86A	18.44A	14.90A	18.48A	14.93A	18.51A	14.96A
Open Circuit Voltage(Voc)	45.2V	42.3V	45.4V	42.5V	45.6V	42.7V	45.8V	42.9V	46.0V	43.1V
Maximum Power Current(Impp)	17.34A	14.05A	17.38A	14.08A	17.42A	14.12A	17.46A	14.15A	17.50A	14.18A
Maximum Power Voltage(Vmpp)	37.5V	35.1V	37.7V	35.2V	37.9V	35.4V	38.1V	35.6V	38.3V	35.8V
Module Efficiency	20.92%		21.09%		21.25%		21.41%		21.57%	
Power Tolerance	0~+5W		0~+5W		0~+5W		0~+5W		0~+5W	

Maximum System Voltage	VDC 1500V
Maximum Series Fuse	30A
Increased Snowload Acc.to Iec 61215	5400Pa
Operating Temperature	-40~+85℃
Number Of Bypass Diodes	3
Norminal Operating Cell Temperature(Noct)	45℃±2℃
Temperature Coefficient Of Pmax	-0.34%℃
Temperature Coefficient Of Voc	-0.26%℃
Temperature Coefficient Of Isc	0.04%℃

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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