

Mars Series

685W/690W/695W/700W/705W/
710W

SUN66M-H12J

HJT 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 Temperature Coefficient



Long weather resistance



Better power generation under shadows



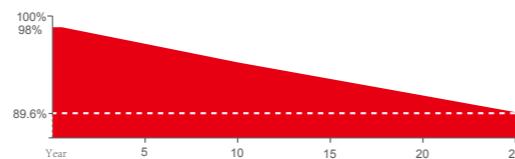
Strong anti-hot spot ability



Strong mechanical load capacity

LINEAR PERFORMANCE WARRANTY

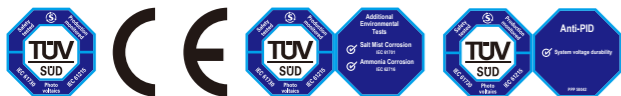
- 12 Years Manufacturing Warranty
- 12 Years 94.2% Power Output
- 25 Years 89.6% Power Output



SUNERGY USA WORKS LLC

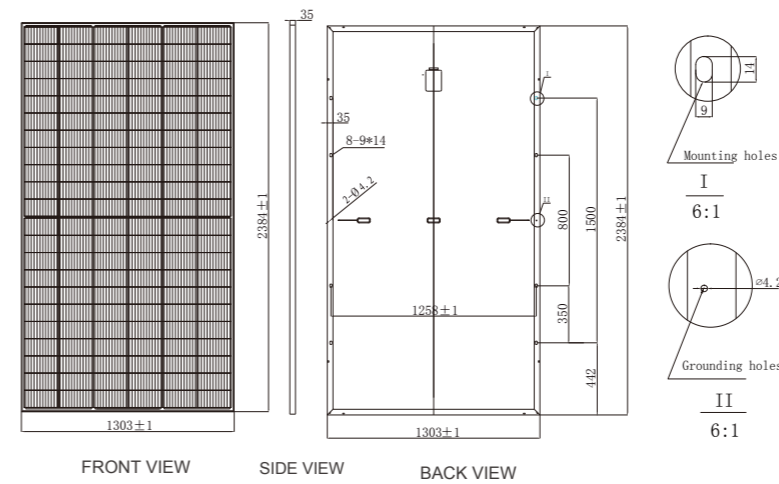
Founded in 2008, Sunergy is a manufacturer of high-performance photovoltaic products. With 12 manufacturing bases and more than 20 branches around the world, the company's business covers modules, photovoltaic power stations and EPC. Sunergy products are available in over 120 countries and regions and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

QUALIFICATIONS AND CERTIFICATES



Mars Series SUN 66M-H12J

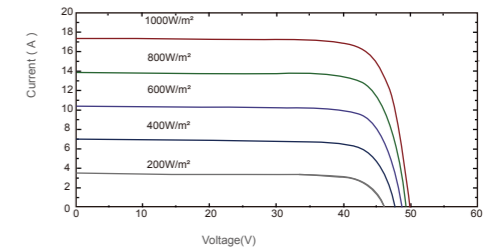
MECHANICAL DRAWINGS



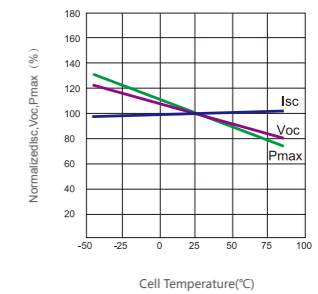
I-V CURVES

I-V Curves at SUN695-66M-H12J at different Irradiances

Cell Temp : 25°C



Power voltage current curve at different temperature



MECHANICAL SPECIFICATION

Cell Type	HJT 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

ELECTRICAL CHARACTERISTICS

Module Type	685W		690W		695W		700W		705W		710W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power At STC(Pmax)	685W	529.2W	690W	533.1W	695W	537.0W	700W	540.8W	705W	544.7W	710W	548.6W
Short Circuit Current(Isc)	17.22A	13.89A	17.26A	13.92A	17.31A	13.96A	17.35A	13.99A	17.39A	14.02A	17.43A	14.06A
Open Circuit Voltage(Voc)	49.4V	46.6V	49.6V	46.7V	49.8V	46.9V	50.0V	47.1V	50.2V	47.3V	50.4V	47.5V
Maximum Power Current(Imp)	16.20A	13.06A	16.24A	13.09A	16.28A	13.13A	16.32A	13.16A	16.36A	13.19A	16.40A	13.22A
Maximum Power Voltage(Vmpp)	42.3V	40.5V	42.5V	40.7V	42.7V	40.9V	42.9V	41.1V	43.1V	41.3V	43.3V	41.5V
Module Efficiency	22.05%		22.21%		22.37%		22.53%		22.70%		22.86%	
Power Tolerance	0~+5W		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°C											
Number Of Bypass Diodes	3											
Norminal Operating Cell Temperature(Noct)	45°C±2°C											
Temperature Coefficient Of Pmax	-0.26%/°C											
Temperature Coefficient Of Voc	-0.24%/°C											
Temperature Coefficient Of Isc	0.04%/°C											

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

PACKING CONFIGURATION

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



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