

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;

Sunergy Advantages



Power attenuation rate surpass than industry standards

As the CTC randomization test, our attenuation rate is 1.81%, 0.31% and 0.34% in the 1st, 2nd and 3rd year, which is much less than the national standard value of 2% and 0.55%



Overflow tank can be waterproof

The excess silicone will flow into the overflow tank, can reduce 3% water vapor entering the panels.



Stronger frame

The C side of the frame contains curved hook reinforcement, enhanced the mechanical load strength by 10%



Current grading

Current classification effectively avoids 2% power loss caused by current mismatch during installation, achieving max output power



IP68 junction box

IP68 junction box offer perfect waterproof performance

SUNERGY USA WORKS LLC

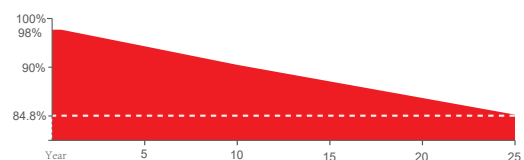
Founded in 2008, Sunergy is a manufacturer of high-performance photovoltaic products. With 12 manufacturing bases and more than 20 branches around the world, the company's business covers modules, photovoltaic power stations and EPC. Sunergy products are available in over 120 countries and regions and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

QUALIFICATIONS AND CERTIFICATES



LINEAR PERFORMANCE WARRANTY

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

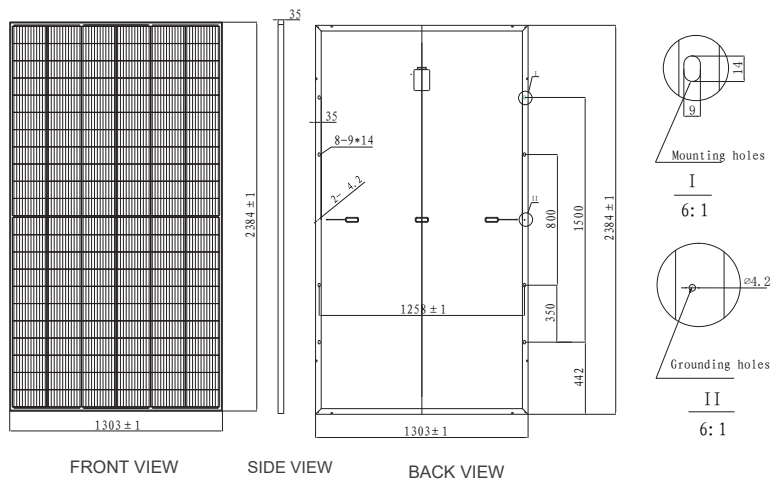


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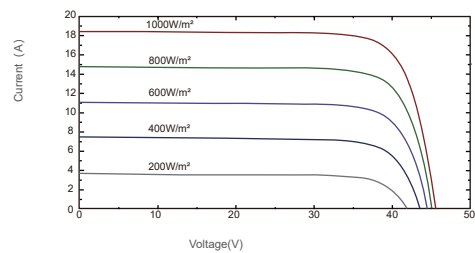
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MECHANICAL DRAWINGS

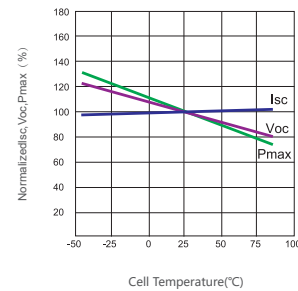


I-V CURVES

I-V Curves at SUN660-66M-H12 at different Irradiances
Cell Temp: 25°C



Power voltage current curve at different temperature



ESPECIFICAÇÃO MECÂNICA

Tipo de célula	Monocristalino 210x105mm
Número de células	132 (6x22)
Dimensões (AxBxC)	2384x1303x35mm
Pesos	34.5kg
Vidro	Vidro moderado baixo do ferro de 3.2mm
Frame de alumínio	Alumínio anodizado
Caixa de junção	Dividir a Caixa de Junção (IP68, três díodos)
Conector	Compatível com o Mc4
Cabos de saída	4.0mm², +300mm, -300mm Comprimento Personalizado

CONFIGURAÇÃO DA EMBALAGEM

Contentor	40' HQ
Peças por palete	31
Paletes por contentor	17
Peças por recipiente	527

CARACTERÍSTICAS ELÉCTRICAS

Tipo de Módulo	650W		655W		660W		665W		670W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Potência máxima em STC (Pmax)	650W	492.7W	655W	496.5W	660W	500.2W	665W	504.0W	670W	507.8W
Corrente de Curto- Circuito (Isc)	18.35A	14.83A	18.39A	14.86A	18.44A	14.90A	18.48A	14.93A	18.51A	14.96A
Tensão de circuito aberto (Voc)	45.2V	42.3V	45.4V	42.5V	45.6V	42.7V	45.8V	42.9V	46.0V	43.1V
Corrente de Potência Máxima (Imp)	17.34A	14.05A	17.38A	14.08A	17.42A	14.12A	17.46A	14.15A	17.50A	14.18A
Tensão de potência máxima (Vmpp)	37.5V	35.1V	37.7V	35.2V	37.9V	35.4V	38.1V	35.6V	38.3V	35.8V
Eficiência do módulo	20.92%		21.09%		21.25%		21.41%		21.57%	
Tolerância de potência	0~+5W		0~+5W		0~+5W		0~+5W		0~+5W	
Tensão máxima do sistema	VDC 1500V									
Fusível de Série Máxima	30A									
Carga de Neve aumentada para Iec 61215	5400Pa									
Temperatura de funcionamento	-40~+85°C									
Número de díodos de desvio	3									
Temperatura normal da célula de funcionamento (Noct)	45°C±2°C									
Coefficiente de temperatura de Pmax	-0.34%/°C									
Coefficiente de Temperatura de Voc	-0.26%/°C									
Coefficiente de temperatura de Isc	0.04%/°C									

STC: irradiância 1000W/m², temperatura da pilha de 25°C, AM1.5. NOCT: Irradiação a 800W/m², temperatura ambiente 20°C, velocidade do vento 1m/s.

