

Phono[®] Solar

Half Cell Module

Mono/365-380W



PID Resistant



Lower Lossing

Better shading tolerance



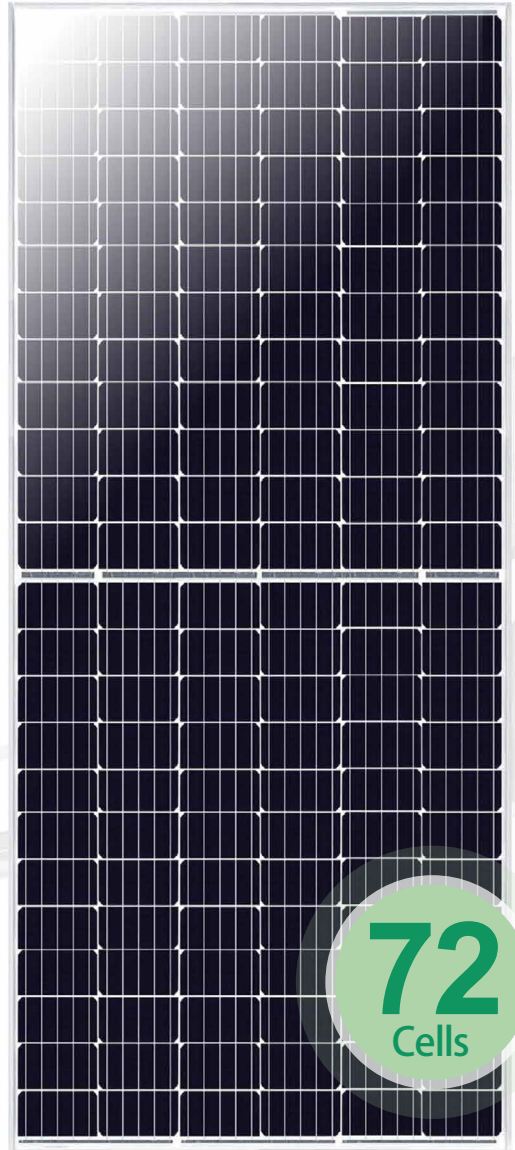
More Reliable

Lower hot spot temperature

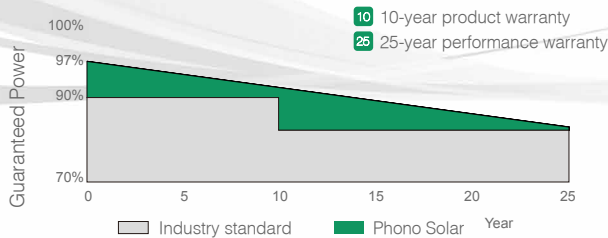


More Power

Low power loss in cell connection
Low temperature coefficient (Pmax): $-0.37\% / ^\circ\text{C}$
Low NMOT: $43\pm 2^\circ\text{C}$



72
Cells



EN EN-20180604

SINOMACH | SUMEC
SUMEC GROUP CORPORATION

ELECTRICAL TYPICAL VALUES

Model	PS365M-24/TH	PS370M-24/TH	PS375M-24/TH	PS380M-24/TH
Type	Monocrystalline 6 inch x 6 inch square, 6 × 12 pieces in series			
Rated Power (Pmpp)	365W	370W	375W	380W
Tolerance	0~+5w			
Rated Current (Impp)	9.26	9.34	9.42	9.50
Rated Voltage (Vmpp)	39.42	39.62	39.81	40.01
Short Circuit Current (Isc)	9.76	9.84	9.92	10.00
Open Circuit Voltage (Voc)	47.22	47.42	47.62	47.82
Module Efficiency (%)	18.40	18.65	18.90	19.15
NOCT (Nominal Operation Cell Temperature)	43±2°C			
Voltage Temperature Coefficient	-0.29%/°C			
Current Temperature Coefficient	+0.05%/°C			
Power Temperature Coefficient	-0.37%/°C			

MECHANICAL CHARACTERISTICS

	Length: 2000mm (78.75 inch)
Dimension (L× W × H)	Width: 992mm (39.06 inch)
	Height: 40mm (1.57 inch)
Weight	22.6kg (49.8 lbs)
Front Glass	3.2mm toughened glass
Frame	Anodized aluminium alloy
Cable	4mm ² (IEC) , 1100mm
Junction Box	IP 68 rated

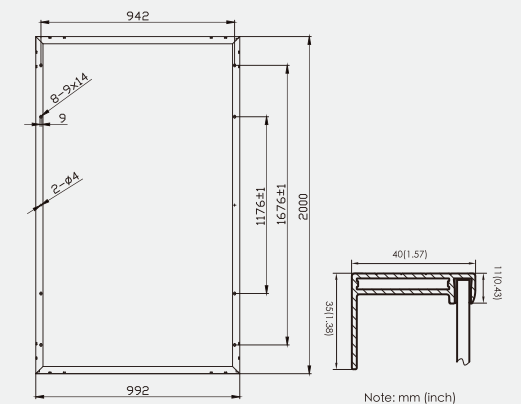
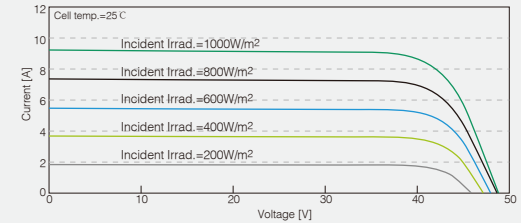
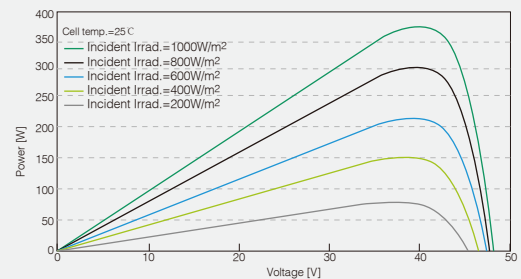
ABSOLUTE MAXIMUM RATING

Parameter	Values
Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Surface Maximum Load Capacity	Up to 5400Pa
Maximum Series Fuse Rating	30A
Application Class and Safety Class	II
Fire Rating (IEC61730)	C
Module Fire Performance (UL 1703)	Type1
Maximum System Voltage	DC 1000V/1500V (IEC/ETL)

Container	20' GP	40' HQ
Pieces/Container	220	572

1. In compliance with our warranty terms and conditions.
 2. Measurement conditions under irradiance level of Standard Test Conditions(STC): 1000W/m
- Air mass 1.5 Spectrum, cell temperature of 25°C.

ELECTRICAL CHARACTERISTICS



Phono[®] Solar

Note: This datasheet is not legally binding. Phono Solar Technology Co., Ltd. reserves the right to adjust specifications without notice. Further information please refer to our [Website:www.phonosolar.com](http://www.phonosolar.com), [E-mail:info@phonosolar.com](mailto:info@phonosolar.com)