

Phono[®] Solar

Premium Plus Module

Mono Perc/365-380W



More Power

Higher conversion efficiency, more power production per unit area



Lower System Cost

Higher conversion efficiency helps to save transportation-, installation- and BoS cost

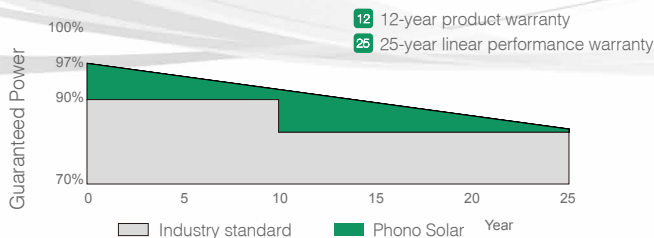
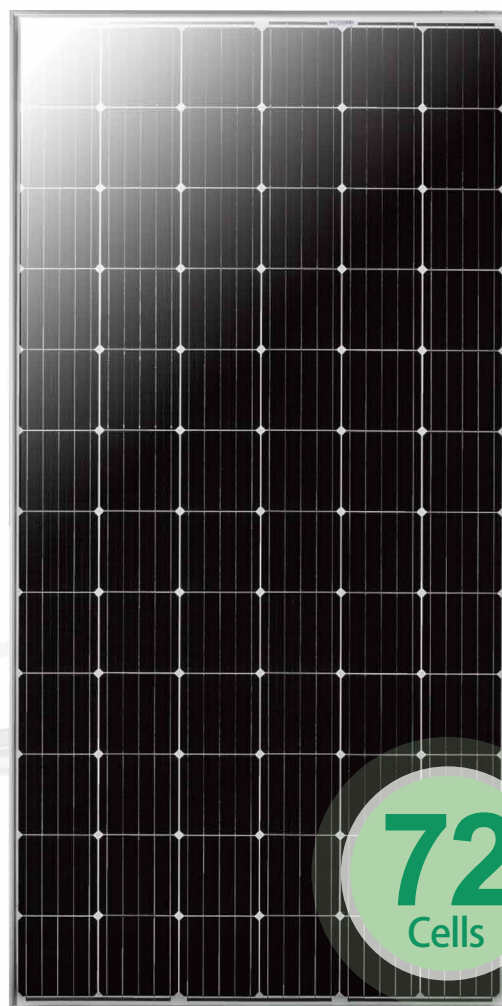


Better Low-light Performance

Enhanced spectral response at longer wave length boosts low-light performance, which can produce more than 3% additional power compared with conventional module at system side

Bloomberg
NEW ENERGY FINANCE

Tier1



EN EN-20200101

SINOMACH | SUMEC
SUMEC GROUP CORPORATION

ELECTRICAL TYPICAL VALUES

Model	PS365M-24/T PS365MH-24/T	PS370M-24/T PS370MH-24/T	PS375M-24/T PS375MH-24/T	PS380M-24/T PS380MH-24/T
Type	Monocrystalline 6 inch x 6 inch square, 6 × 12 pieces in series			
Rated Power (P _{mp})	365W	370W	375W	380W
Tolerance	0~+5w			
Rated Current (I _{mp})	9.40	9.49	9.57	9.65
Rated Voltage (V _{mp})	38.83	38.99	39.19	39.38
Short Circuit Current (I _{sc})	9.87	9.92	9.98	10.03
Open Circuit Voltage (V _{oc})	48.00	48.12	48.24	48.36
Module Efficiency (%)	18.81	19.07	19.33	19.58
NOCT (Nominal Operating Cell Temperature)	45±2°C			
Voltage Temperature Coefficient	-0.31%/°C			
Current Temperature Coefficient	+0.05%/°C			
Power Temperature Coefficient	-0.39%/°C			

MECHANICAL CHARACTERISTICS

Length	1956mm (77.01 inch)
Dimension (L× W × H)	Width: 992mm (39.06 inch)
	Height: 40mm (1.57 inch)
Weight	22.5kg (49.6 lbs)
Front Glass	3.2mm Toughened Glass
Frame	Anodized Aluminium Alloy
Cable	4mm ² (IEC) , Length: 1160mm or Customized Length
Junction Box	IP 68 Rated

ABSOLUTE MAXIMUM RATING

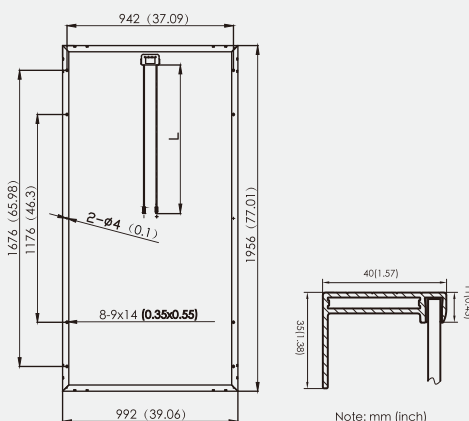
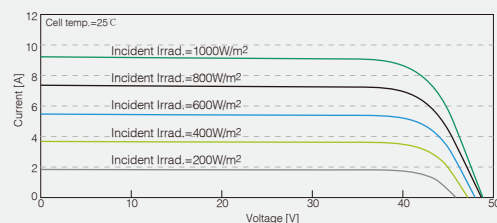
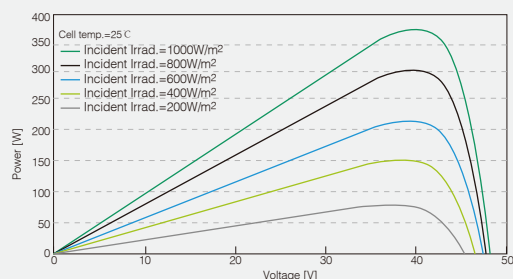
Parameter	Values
Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Surface Maximum Load Capacity	Up to 5400Pa
Maximum Series Fuse Rating	20A
Application Class and Safety Class	II
Fire Rating (IEC61730)	C
Module Fire Performance (UL 1703)	Type 1
Maximum System Voltage	DC 1000V/1500V (IEC/ETL)

PACKING CONFIGURATION

Container	20' GP	40' HQ
Pieces/Container	230	672

1. In compliance with our warranty terms and conditions.
2. Measurement conditions under irradiance level of Standard Test Conditions(STC): 1000W/m²
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)