

# Premium Module

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Phono® Solar



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## Higher Efficiency

Outstanding performance in weak-light conditions



## Better Durability

Withstand fire/dust/UV/tear tests ensure its long durability in practical application scenarios



## Higher Generation

Excellent temperature coefficient giving higher yields in the long term



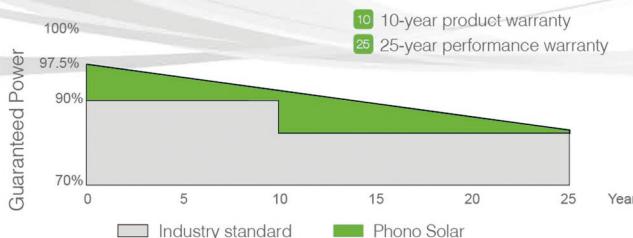
## Super Isolation

Multilayer structure, against 21kV Hi-Voltage breakdown test extremely low water absorption & permeability guarantee its perfect performance in damp circumstance

Bloomberg NEW ENERGY FINANCE Tier1



TOP PERFORMER



EN-20180516

SINOMACH SUMEC  
SUMEC GROUP CORPORATION

# Premium Module

## Poly/265-275W

**Phono® Solar**



### ELECTRICAL TYPICAL VALUES

Model	PS265P-20/U	PS270P-20/U	PS275P-20/U
Type	Polycrystalline 6 inch x 6 inch square, 6 × 10 pieces in series		
Rated Power (Pmpp)	265W	270W	275W
Tolerance	0~+5W		
Rated Current (Impp)	8.52	8.59	8.66
Rated Voltage (Vmpp)	31.19	31.44	31.79
Short Circuit Current (Isc)	9.04	9.09	9.17
Open Circuit Voltage (Voc)	38.03	38.39	38.68
Module Efficiency (%)	16.29	16.60	16.90
NOCT (Nominal Operation Cell Temperature)	45.±2°C		
Voltage Temperature Coefficient	-0.31%/°C		
Current Temperature Coefficient	+0.06%/°C		
Power Temperature Coefficient	-0.40%/°C		

### MECHANICAL CHARACTERISTICS

Dimension (Lx W x H)	Length: 1640mm (64.57 inch) Width: 992mm (39.06 inch) Height: 35mm (1.38 inch)
Weight	18kg (39.68 lbs)
Front Glass	3.2mm toughened glass
Frame	Anodized aluminium alloy
Cable	4mm <sup>2</sup> (IEC) , 900mm
Junction Box	IP 68 rated

### ABSOLUTE MAXIMUM RATING

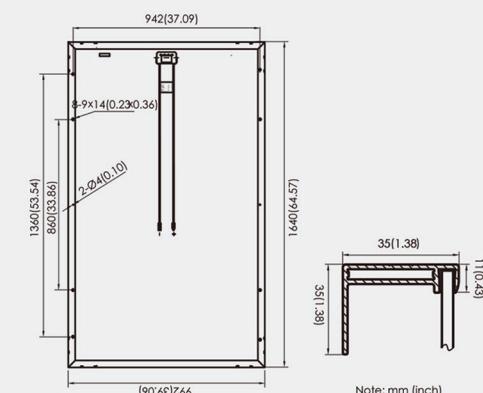
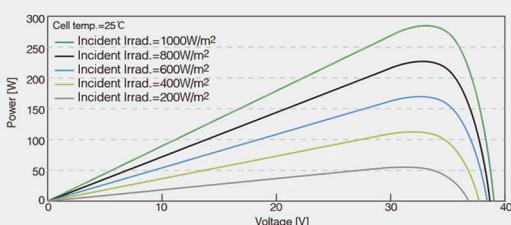
Parameter	Values
Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Surface Maximum Load Capacity	Up to 5400Pa
Maximum Series Fuse Rating	20A
Application Class and Safety Class	II
Fire Rating (IEC61730)	C
Module Fire Performance (UL 1703)	Type1
Maximum System Voltage	DC 1000V/1500V (IEC/ETL)

### PACKING CONFIGURATION

Container	20' GP	40' HQ
Pieces/Container	300	840

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

### ELECTRICAL CHARACTERISTICS



Note: mm (inch)



**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)

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