

# Phono<sup>®</sup> Solar

## Premium Module

### Mono/340-350W



**Excellent Temperature Coefficient**



**Higher Power Output**

Outstanding performance in weak-light conditions



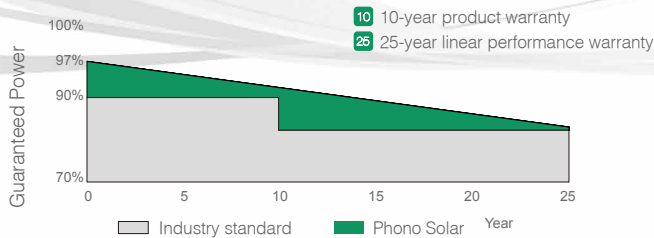
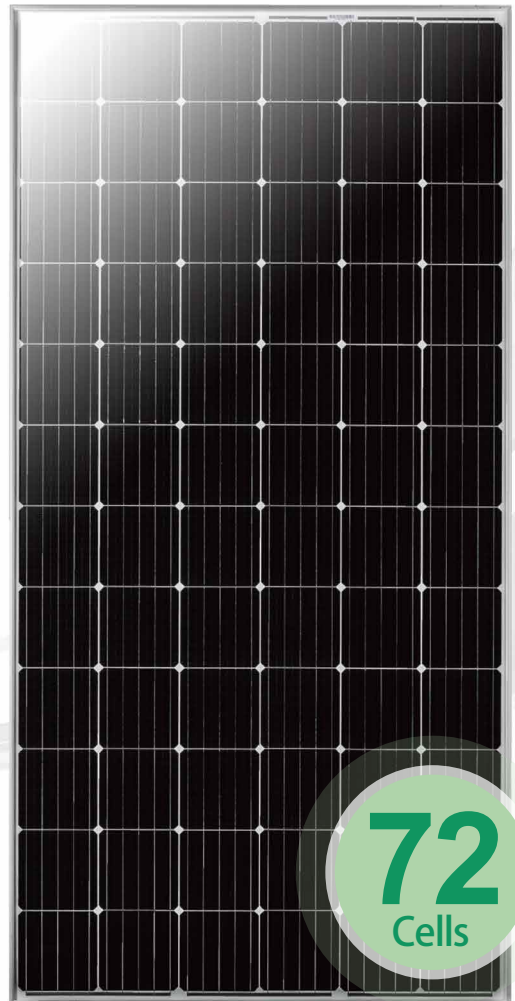
**Better Durability**

Enhanced durability in practical application through more strict in house testing standards than IEC

**Bloomberg Tier1**  
NEW ENERGY FINANCE



**TOP PERFORMER**



EN EN-20180815

**SINOMACH | SUMEC**  
SUMEC GROUP CORPORATION

## ELECTRICAL TYPICAL VALUES

Model	PS340M-24/T PS340MH-24/T	PS345M-24/T PS345MH-24/T	PS350M-24/T PS350MH-24/T
Type	Monocrystalline 6 inch x 6 inch square, 6 x 12 pieces in series		
Rated Power (Pmpp)	340W	345W	350W
Tolerance	0~+5w		
Rated Current (Impp)	8.88	8.96	9.05
Rated Voltage (Vmpp)	38.29	38.51	38.68
Short Circuit Current (Isc)	9.16	9.23	9.30
Open Circuit Voltage (Voc)	47.50	47.70	47.90
Module Efficiency (%)	17.52	17.78	18.04
NOCT (Nominal Operation Cell Temperature)	45±2°C		
Voltage Temperature Coefficient	-0.35%/°C		
Current Temperature Coefficient	+0.07%/°C		
Power Temperature Coefficient	-0.45%/°C		

## MECHANICAL CHARACTERISTICS

Length: 1956mm (77.01 inch)
Dimension (L x W x 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 <sup>2</sup> (IEC) , Length: 1100mm or Customized Length
Junction Box
IP 68 rated

## ABSOLUTE MAXIMUM RATING

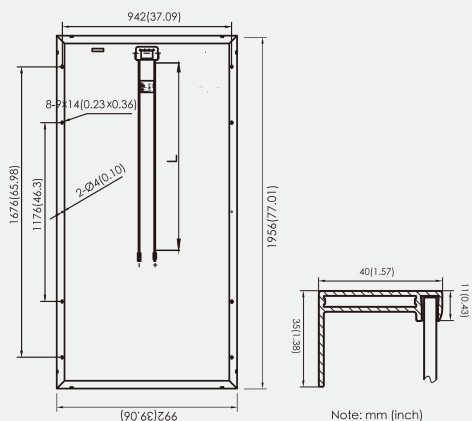
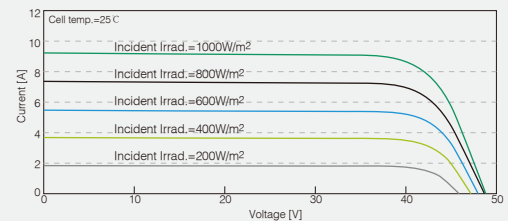
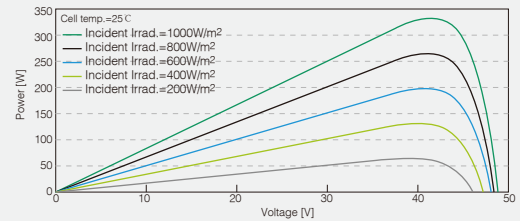
Parameter	Values
Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Surface Maximum Load Capacity	Up to 5400Pa
Maximum Series Fuse Rating	20A
Application Class and Safety Class	II
Fire Rating (IEC61730)	C
Module Fire Performance (UL 1703)	Type 1
Maximum System Voltage	DC 1000V/1500V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

## PACKING CONFIGURATION

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

- In compliance with our warranty terms and conditions.
- 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



**Phono<sup>®</sup> 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)