

Phono[®] Solar

Premium Module

Mono/340-350W



Excellent Temperature Coefficient



Higher Power Output

Outstanding performance in weak-light conditions



Better Durability

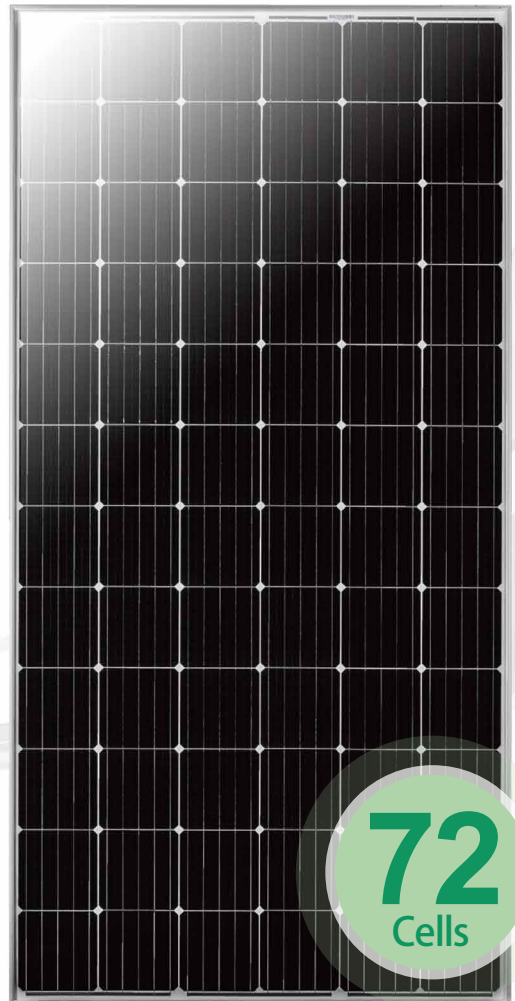
Enhanced durability in practical application through more strict in house testing standards than IEC

Bloomberg
NEW ENERGY FINANCE

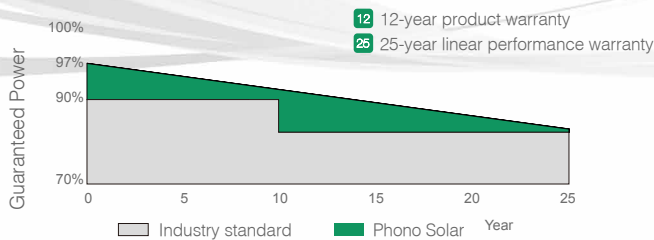
Tier1



TOP
PERFORMER



72
Cells



EN EN-20180917

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 ² (IEC) , Length: 1100mm or Customized Length |
| Junction Box | IP 68 rated |

ABSOLUTE MAXIMUM RATING

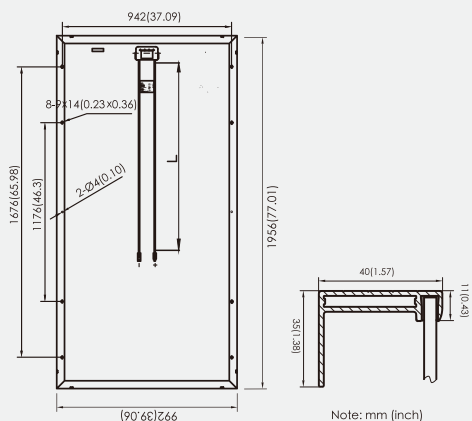
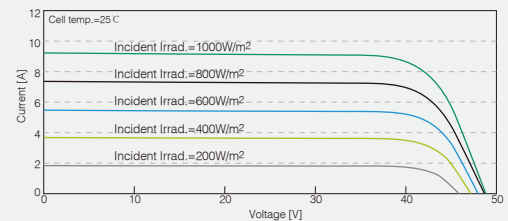
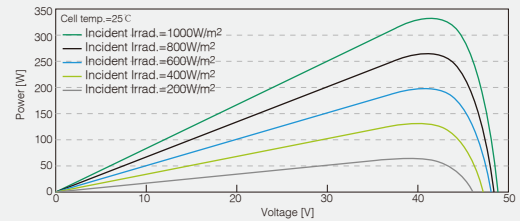
| Parameter | Values |
|------------------------------------|--------------------------|
| Operating Temperature | From -40 to +85°C |
| Hail Diameter @ 80km/h | Up to 25mm |
| Surface Maximum Load Capacity | Up to 5400Pa |
| Maximum Series Fuse Rating | 20A |
| Application Class and Safety Class | II |
| 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/m²
Air mass 1.5 Spectrum, cell temperature of 25°C.

ELECTRICAL CHARACTERISTICS



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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)