

Phono[®] Solar

TwinPlus Premium Module

Mono Perc/315-330W



PID Resistant



Better shading tolerance



More Reliable

Lower hot spot temperature

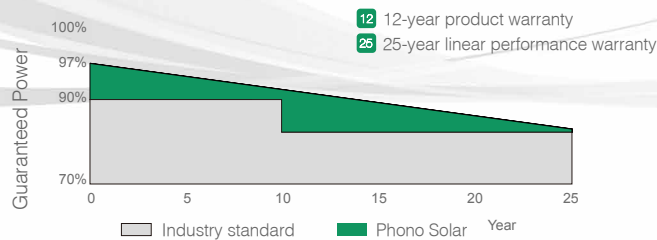
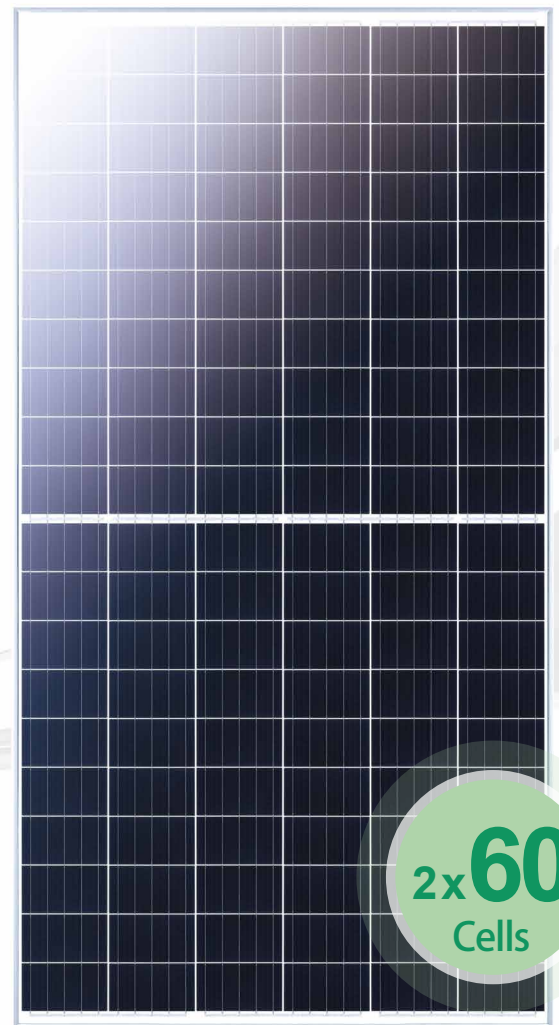


More Power

Low power loss in cell connection
Low temperature coefficient (Pmax): $-0.38\% / ^\circ\text{C}$
Low NOCT: $43\pm 2^\circ\text{C}$

Bloomberg
NEW ENERGY FINANCE

Tier1



EN EN-20190704

ELECTRICAL TYPICAL VALUES

| Model | PS315M1-20/UH PS315M1H-20/UH | PS320M1-20/UH PS320M1H-20/UH | PS325M1-20/UH PS325M1H-20/UH | PS330M1-20/UH PS330M1H-20/UH |
|---|---|---------------------------------|---------------------------------|---------------------------------|
| Type | Perc Monocrystalline 158.75mm X 79.38mm | | | |
| Rated Power (Pmpp) | 315W | 320 W | 325W | 330W |
| Tolerance | 0~+5w | | | |
| Rated Current (Impp) | 9.49 | 9.54 | 9.59 | 9.64 |
| Rated Voltage (Vmpp) | 33.20 | 33.55 | 33.89 | 34.24 |
| Short Circuit Current (Isc) | 9.81 | 9.87 | 9.93 | 9.99 |
| Open Circuit Voltage (Voc) | 40.26 | 40.65 | 41.03 | 41.41 |
| Module Efficiency (%) | 18.68 | 18.98 | 19.28 | 19.57 |
| NOCT (Nominal Operating Cell Temperature) | 43±2°C | | | |
| Voltage Temperature Coefficient | -0.30%/°C | | | |
| Current Temperature Coefficient | +0.05%/°C | | | |
| Power Temperature Coefficient | -0.38%/°C | | | |

MECHANICAL CHARACTERISTICS

| | |
|----------------------|--|
| Dimension (L× W × H) | Length: 1686mm (66.38inch) Width: 1000mm (39.37 inch) Height: 35mm (1.38 inch) |
| Weight | 19kg (41.89 lbs) |
| Front Glass | 3.2mm toughened glass |
| Frame | Anodized aluminium alloy |
| Cable | 4mm ² (IEC) , Length:350mm (vertical) 1150mm (horizontal) or Customized length |
| Junction Box | IP 68 rated |

ABSOLUTE MAXIMUM RATING

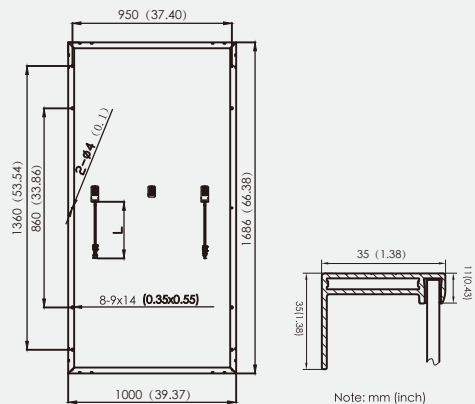
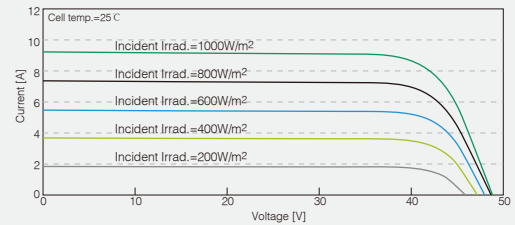
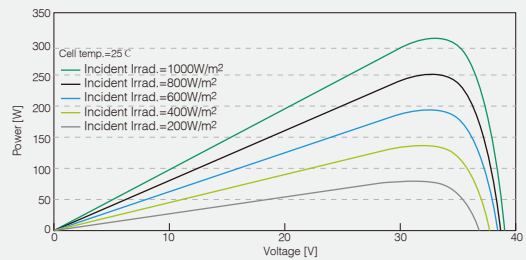
| Parameter | Values |
|------------------------------------|--------------------------|
| Operating Temperature | From -40 to +85°C |
| Hail Diameter @ 80km/h | Up to 25mm |
| Surface Maximum Load Capacity | Up to 5400Pa |
| Maximum Series Fuse Rating | 20A |
| Application Class and Safety Class | II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

PACKING CONFIGURATION

| | | |
|------------------|--------|--------|
| Container | 20' GP | 40' HQ |
| Pieces/Container | 312 | 780 |

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



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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)