

For a Free Quote:

Web: EnergyPal.com/solar

Call: 1-800-990-3725

Email: contact@energypal.com

EnergyPal

Solar Panel Guide Specification Data Sheet

**Phono Solar Technology Co., Ltd.
Premium Poly/270-280
PS270P(H)-20/U**

Also available on the web at
EnergyPal.com/phono-solar-technology-co-ltd-solar-panels/ps270p-h-20-u

Phono[®] Solar

Premium Module

Poly/270-280W



Excellent Temperature Coefficient



Higher Power Output

Outstanding performance in weak-light conditions



Better Durability

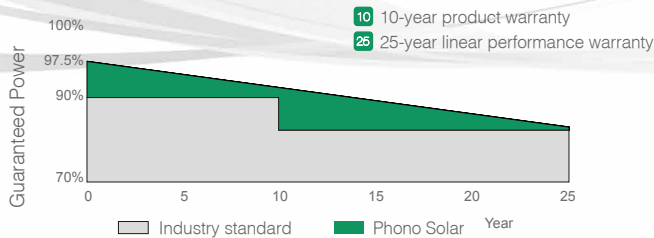
Enhanced durability in practical application through more strict in house testing standards than IEC

Bloomberg
NEW ENERGY FINANCE

Tier1



TOP
PERFORMER



EN EN-20180824

ELECTRICAL TYPICAL VALUES

| Model | PS270P-20/U PS270PH-20/U | PS275P-20/U PS275PH-20/U | PS280P-20/U PS280PH-20/U |
|---|---|-----------------------------|-----------------------------|
| Type | Polycrystalline 6 inch x 6 inch square, 6 x 10 pieces in series | | |
| Rated Power (Pmpp) | 270W | 275W | 280W |
| Tolerance | 0~+5w | | |
| Rated Current (Impp) | 8.59 | 8.66 | 8.73 |
| Rated Voltage (Vmpp) | 31.44 | 31.76 | 32.08 |
| Short Circuit Current (Isc) | 9.09 | 9.17 | 9.25 |
| Open Circuit Voltage (Voc) | 38.39 | 38.68 | 39.02 |
| Module Efficiency (%) | 16.60 | 16.90 | 17.21 |
| 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 (L x 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 ² (IEC) , Length:900mm or Customized Length |
| Junction Box | IP 68 rated |

ABSOLUTE MAXIMUM RATING

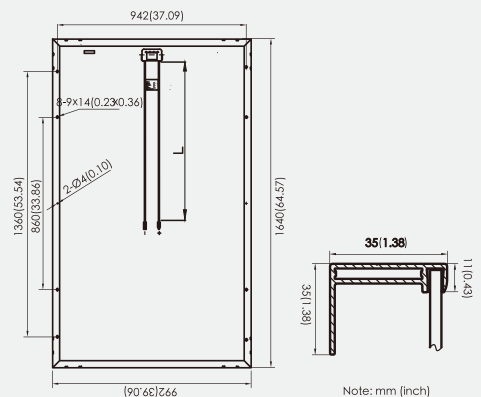
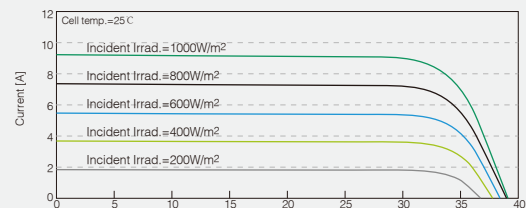
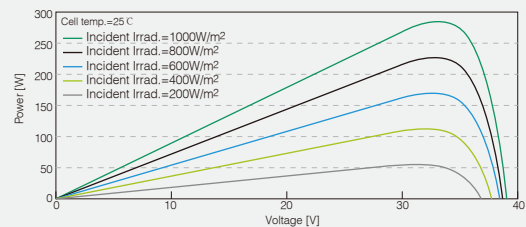
| Parameter | Values |
|------------------------------------|--------------------------|
| Operating Temperature | From -40 to +85°C |
| Hail Diameter @ 80km/h | Up to 25mm |
| Surface Maximum Load Capacity | Up to 5400Pa |
| Maximum Series Fuse Rating | 20A |
| Application Class and Safety Class | II |
| 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 | 896 |

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