





In Search of Remarkable

| Model | POLY | | | Black Silicon | |
|---|--|-------------|-------------|--|-------------|
| | PS260P-20/U | PS265P-20/U | PS270P-20/U | PS275P-20/U | PS280P-20/U |
| Type |  Polycrystalline 6 inch x 6 inch square, 6 x 10 pieces in series | | |  Polycrystalline 6 inch x 6 inch square, 6 x 10 pieces in series | |
| Rated Power (Pmpp) [W] | 260 | 265 | 270 | 275 | 280 |
| Tolerance [W] | 0-5 | 0-5 | 0-5 | 0-5 | 0-5 |
| Voc [V] | 37.69 | 38.03 | 38.39 | 38.30 | 38.40 |
| Isc [A] | 8.94 | 9.04 | 9.09 | 9.20 | 9.30 |
| Vm [V] | 30.81 | 31.19 | 31.44 | 31.60 | 31.80 |
| Im [A] | 8.44 | 8.52 | 8.59 | 8.72 | 8.83 |
| Module Efficiency [%] | 15.98 | 16.29 | 16.60 | 16.90 | 17.2 |
| NOCT (Nominal Operation Cell Temperature) | 45°C ± 2°C | | | 45°C ± 2°C | |
| Voltage Temperature Coefficient | -0.31%/°C | | | -0.31%/°C | |
| Current Temperature Coefficient | +0.06%/°C | | | +0.05%/°C | |
| Power Temperature Coefficient | -0.40%/°C | | | -0.41%/°C | |

| Model | MONO | | | PERC | | | |
|---|--|-------------|-------------|--|-------------|-------------|-------------|
| | PS270M-20/U | PS275M-20/U | PS280M-20/U | PS285M-20/U | PS290M-20/U | PS295M-20/U | PS300M-20/U |
| Type |  Monocrystalline 6 inch x 6 inch square, 6 x 10 pieces in series | | |  Monocrystalline 6 inch x 6 inch square, 6 x 10 pieces in series | | | |
| Rated Power (Pmpp) [W] | 270 | 275 | 280 | 285 | 290 | 295 | 300 |
| Tolerance [W] | 0-5 | 0-5 | 0-5 | 0-5 | 0-5 | 0-5 | 0-5 |
| Voc [V] | 38.30 | 38.40 | 38.50 | 39.60 | 39.70 | 39.80 | 39.90 |
| Isc [A] | 9.05 | 9.10 | 9.15 | 9.65 | 9.71 | 9.74 | 9.82 |
| Vm [V] | 31.22 | 31.43 | 31.61 | 31.72 | 31.87 | 32.07 | 32.19 |
| Im [A] | 8.65 | 8.75 | 8.86 | 8.99 | 9.10 | 9.20 | 9.32 |
| Module Efficiency [%] | 16.60 | 16.90 | 17.20 | 17.51 | 17.83 | 18.13 | 18.44 |
| NOCT (Nominal Operation Cell Temperature) | 45°C ± 2°C | | | 45°C ± 2°C | | | |
| Voltage Temperature Coefficient | -0.35%/°C | | | -0.288%/°C | | | |
| Current Temperature Coefficient | +0.07%/°C | | | +0.047%/°C | | | |
| Power Temperature Coefficient | -0.45%/°C | | | -0.398%/°C | | | |

1. Measurement conditions under irradiance level of Standard Test Conditions(STC): 1000W/m2, Air mass 1.5 Spectrum, cell temperature of 25°C.



60 Cell

**PREMIUM
SOLAR MODULES**



260-280W POLY

270-300W MONO



Outstanding performance in weak-light conditions



Anti-PID



Positive current sorting



Maximum System Voltage (optional)



Excellent temperature coefficient giving higher yields in the long term



IP68 connectors enhance the reliability of the PV system



Certified to withstand increased loads of up to 5400Pa



10-year product warranty
25-year performance warranty^[1]

Durability Assured:



Salt mist corrosion resistance



Ammonia corrosion resistance



Fire test resistance



Blowing sand resistance

• Manufacturing facility certified by ISO 9001, ISO 14001 and OHSAS 18001

• Free module recycling through PV Cycle Association membership^[2]

About Phono Solar Company Overview

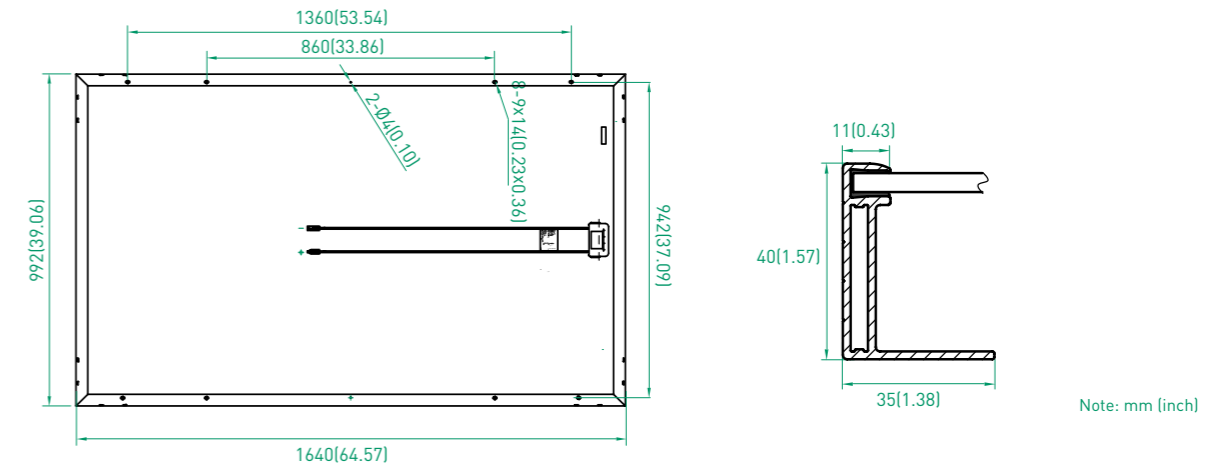
Phono Solar Technology Co., Ltd., was founded by SUMEC Group Corporation, a member of the China National Machinery Industry Corporation (SINOMACH). Phono Solar is a leading brand in the new energy industry, providing high quality new energy products since 2004.

The subsidiary of
FORTUNE
Global 500

SINCE
1978
ESTABLISHED

MECHANICAL CHARACTERISTICS

| | |
|---------------------|-------------------------------------|
| Dimension | Length: 1640mm (64.57 inch) |
| | Width: 992mm (39.06 inch) |
| | Height: 40mm (1.57 inch) |
| Weight | 19kg (41.9 lbs) |
| Front Glass | 3.2mm toughened glass |
| Frame | Anodized aluminium alloy |
| Cable | 4mm ² (IEC) / 12AWG (UL) |
| 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 | 15A |
| IEC Application Class (IEC61730) | A |
| Fire Rating (IEC61730) | C |
| Module Fire Performance (UL1703) | Type 1 |
| Maximum System Voltage | DC 1000V (IEC) |
| | DC 600V (UL) / 1000V (ETL) |

WEAK LIGHT PERFORMANCE

| Intensity [W/m ²] | I _{mpp} | V _{mpp} |
|-------------------------------|------------------|------------------|
| 1000 | 1.0 | 1.000 |
| 800 | 0.8 | 0.996 |
| 600 | 0.6 | 0.990 |
| 400 | 0.4 | 0.983 |
| 200 | 0.2 | 0.952 |
| 100 | 0.1 | 0.921 |

PACKING CONFIGURATION

| Container | 40' HQ | 20' GP |
|----------------------|--------|--------|
| Pieces per container | 728 | 264 |

