

ABOUT PHONO SOLAR

Phono Solar Technology Co., Ltd. is one of the world's leading renewable energy product manufacturers and a well trusted brand provider. The Phono Solar brand has become synonymous with high performing, top quality photovoltaic panels that are ideal for use in large scale power plants, commercial and residential installations.

Up to
25%
more output

HIGH PERFORMANCE
SOLAR MODULES

250W-260W

POLY

Solaredge:



Eliminates mismatches



Suitable for diverse direction



SafeDC™



Module-level monitoring*

Module:



Outstanding performance in weak-light conditions



Anti-PID^[1]



Excellent temperature coefficient giving higher yields in the long term



IP68 connectors enhance the reliability of the PV system



Positive current sorting



Certified to withstand increased loads of up to 5400Pa

Durability assured:



Salt mist corrosion certification



Ammonia corrosion certification



Fire test certification



Blowing sand resistance certification



MECHANICAL CHARACTERISTICS

| | |
|---------------------|---|
| Solar Cells | Polycrystalline 156mm x 156mm square, 6 x 10 pieces in series |
| Dimension | Length: 1640mm (64.6 inch) |
| | Width: 992mm (39.1 inch) |
| | Height: 40mm (1.6 inch) |
| Weight | 19kg (41.9lbs) |
| Front Glass | 3.2mm toughened glass |
| Frame | Anodized aluminium alloy |
| Cable | 6mm ² (IEC) / 12AWG(UL), 900mm |
| Junction Box | IP 67 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 (UL 1703) | C |
| Maximum System Voltage | DC 1000V(IEC) |
| | DC 600V(UL)/1000V(ETL) |

ELECTRICAL TYPICAL VALUES^[4]

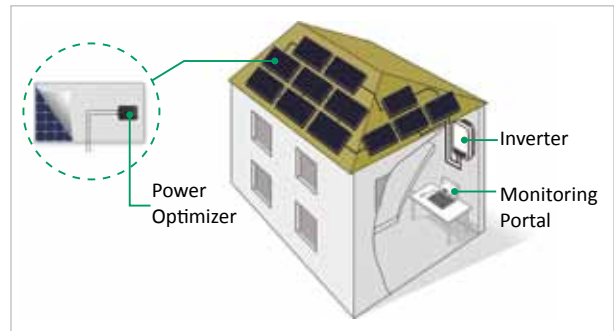
| Model | Rated Power (P _{mpp}) | Rated Current (I _{mpp}) | Rated Voltage (V _{mpp}) | Short Circuit Current (I _{sc}) | Open Circuit Voltage (V _{oc}) | Module Efficiency (%) |
|-------------|---------------------------------|-----------------------------------|-----------------------------------|--|---|-----------------------|
| PS250P-20/U | 250W | 8.30A | 30.2V | 8.70A | 37.8V | 15.37 |
| PS255P-20/U | 255W | 8.42A | 30.4V | 8.80A | 37.9V | 15.67 |
| PS260P-20/U | 260W | 8.53A | 30.6V | 8.90A | 38.0V | 15.98 |

Output during operation (modules connected to Solaredge inverter)

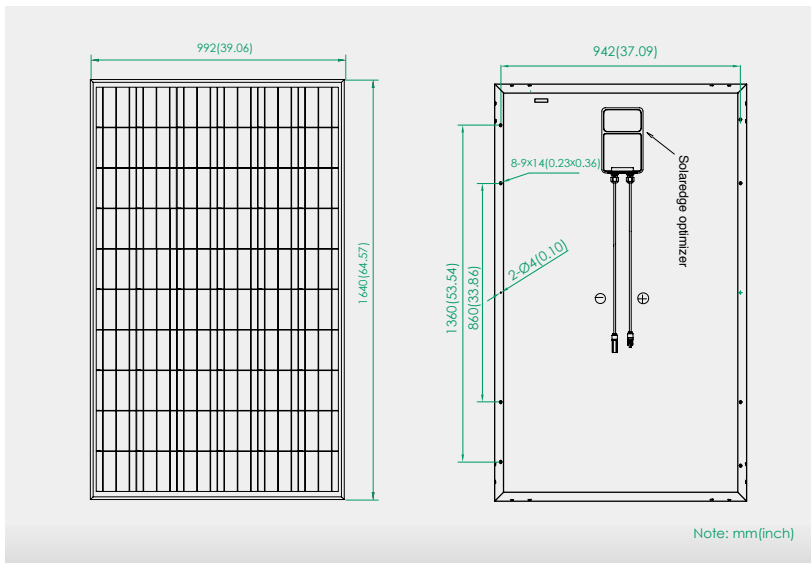
| | |
|--|----------|
| Maximum output current | 15 ADC |
| Operating output voltage | 5-60 VDC |
| Total maximum string voltage (controlled by inverter)-1-ph | 500 VDC |

Output during standby

| | |
|---|--|
| Safety output voltage per power optimizer | 1 VDC |
| PV system design using a solaredge inverter | |
| Minimum number of modules per string | 8 (1-ph system)/16(3-ph system) |
| Maximum number of modules per string | Module power dependent; maximum 25 (1-ph system)/50(3-ph system) |
| Maximum power per string | 5250 (1-ph system)/11250(3-ph system) |
| Parallel strings of different lengths or orientations | Yes |



DIMENSIONS



TEMPERATURE CHARACTERISTICS

| | |
|---|------------|
| NOCT (Nominal Operation Cell Temperature) | 45°C ± 2°C |
| Voltage Temperature Coefficient | -0.31%/°C |
| Current Temperature Coefficient | +0.07%/°C |
| Power Temperature Coefficient | -0.44%/°C |

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 |

PACKING CONFIGURATION

| | |
|-----------------------|--------|
| Container | 40' HQ |
| Pieces per pallet | 24 |
| Pallets per container | 28 |
| Pieces per container | 672 |

Note: This datasheet is not legally binding. Phono Solar reserves the right to make specifications changes without notice. Further information can be found on our website: www.phonosolar.com

1. Anti-PID modules are only available upon request.
2. In compliance with our warranty terms and conditions.
3. In PV Cycle member countries only, see: www.pvcycle.org
4. Measurement conditions under irradiance level of Standard Test Conditions(STC): 1000W/m², Air mass 1.5 Spectrum, cell temperature of 25°C.

*Module-level monitoring and DC SAFETY are available only when the OPJ300-LV installed with Solar Edge inverter or with Solar Edge Safety & Monitoring Interface.

PARTNER INFORMATION

