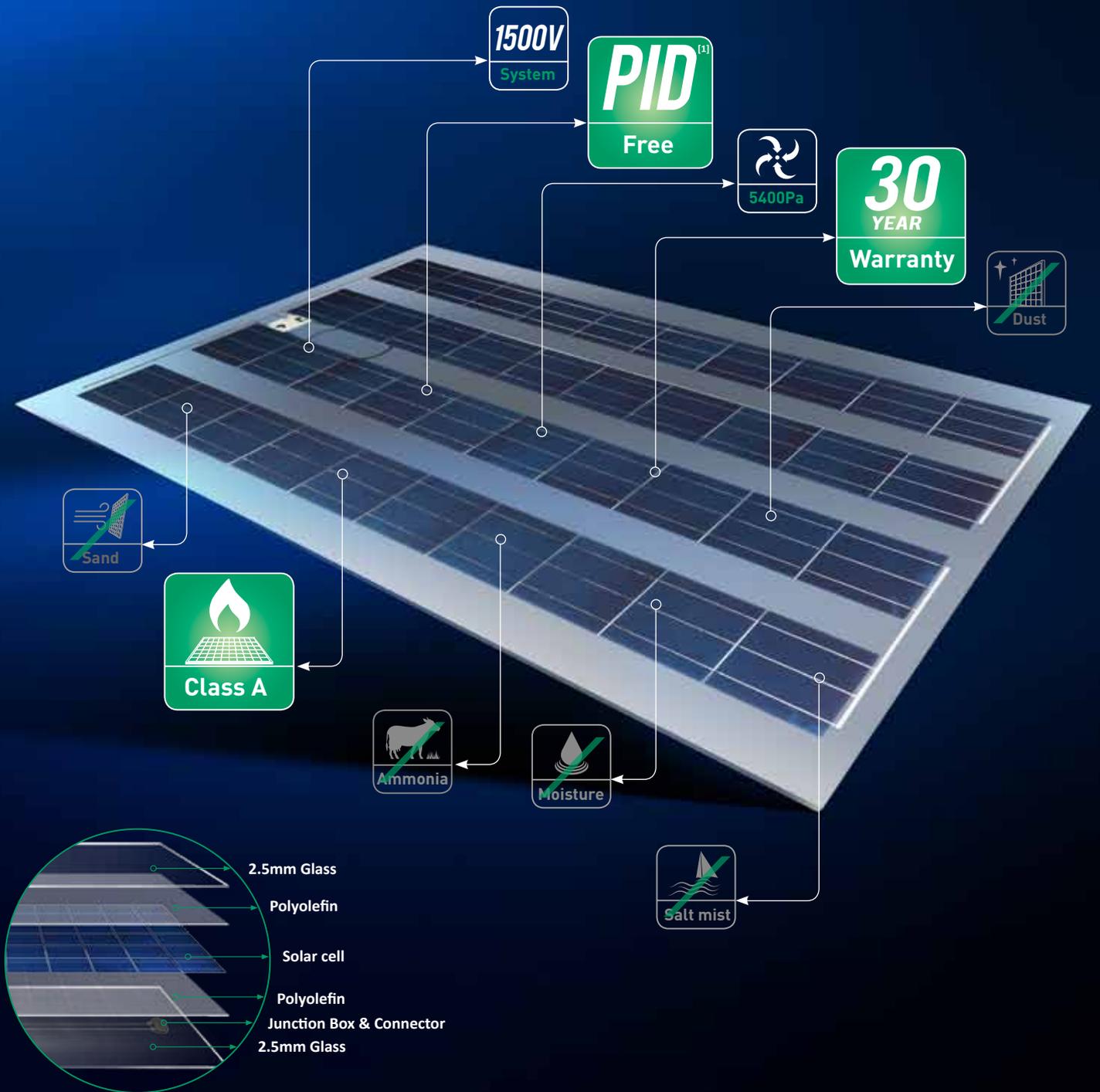


POLY

**HIGH PERFORMANCE
DUAL-GLASS MODULE
165W-175W**



MECHANICAL CHARACTERISTICS

| | |
|---------------------|--|
| Solar Cells | Polycrystal Si 156mm square, 4 x 10 pieces in series |
| Dimension | Length: 1685mm (66.3 inch) |
| | Width: 997mm (39.3 inch) |
| | Height: 25 mm (1.0 inch) |
| Weight | 23Kg (50.7lbs) |
| Glass | 2.5mm/2.5mm heat-strengthened glass(front/back) |
| Cable | 4mm ² (IEC) /12AWG(UL),1000mm |
| Junction Box | IP 67 rated |

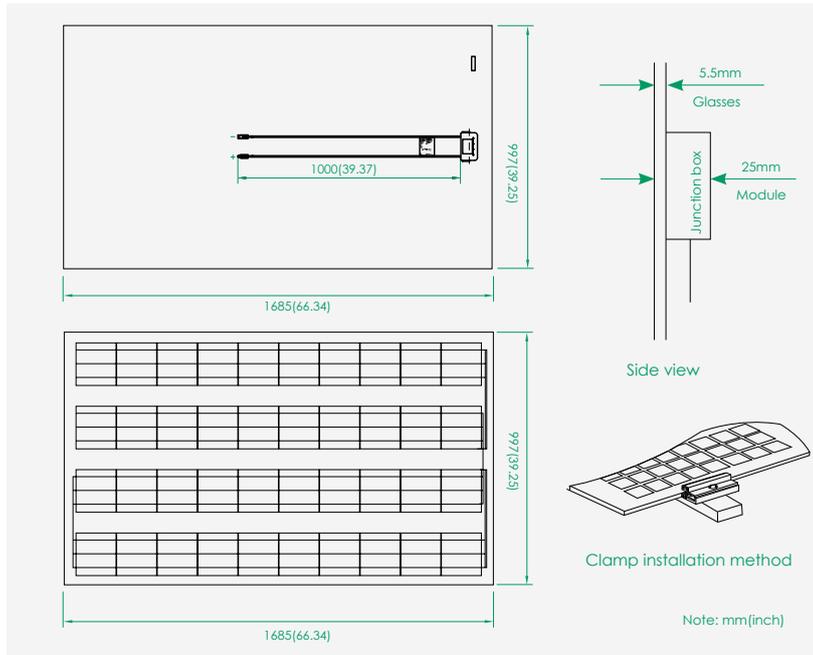
ABSOLUTE MAXIMUM RATING

| 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 |
| Maximum System Voltage | 1000V /1500V DC (alternative) |
| IEC Application Class(IEC61730) | A |
| Fire Rating(UL1703) | C |

ELECTRICAL TYPICAL VALUES^{[3],[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 (%) |
|--------------|---------------------------------|-----------------------------------|-----------------------------------|--|---|-----------------------|
| PS165PG-12/K | 165W | 8.1A | 20.3V | 8.9A | 24.4V | 14.58 |
| PS170PG-12/K | 170W | 8.3A | 20.5V | 9.0A | 24.6V | 14.88 |
| PS175PG-12/K | 175W | 8.5A | 20.7V | 9.1A | 24.8V | 15.18 |

DIMENSIONS



TEMPERATURE CHARACTERISTICS

| | |
|--|------------|
| NOCT (Nominal Operation Cell Temperature) | 45°C ± 2°C |
| Voltage Temperature Coefficient | -0.33%/°C |
| Current Temperature Coefficient | +0.06%/°C |
| Power Temperature Coefficient | -0.45%/°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 | 20' HQ |
| Pieces per container | 780 | 180 |

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.

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] Modules were exposed to -1000V relative to ground at 85 degree Celsius /85% relative humidity for 48 hours, and the maximum power degradation of modules after the test is not exceed 5%. (PI Berlin PID test class A standard.)

[2] IN PV CYCLE MEMBER COUNTRIES ONLY, SEE: WWW.PVCYCLE.COM

[3] Defined as standard deviation of thousands measurements. Absolute power values depend on the measuring system. They can differ by +/-5% from one measuring system to another.

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

PARTNER INFORMATION

