

**For a Free Quote:**

Web: [EnergyPal.com](https://energypal.com)

Call: **1-800-990-3725**

Email: **contact@energypal.com**



**Solar Panel Guide**

**Specification Data Sheet**

Learn more at [energypal.com/best-solar-panels-for-homes](https://energypal.com/best-solar-panels-for-homes)

## Powermodule™ Smart R Series

SPP 250 | 255 | 260 SR



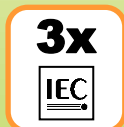
ADDITIONAL 5% VALUE:  
25-YEAR "STRAIGHT  
LINE WARRANTY"\*



LONG-TERM SECURITY:  
10-YEAR PRODUCT  
WARRANTY



HIGHER SYSTEM YIELDS  
(up to +5W/0W)  
THROUGH PowerPlus  
SORTING\*\*



TRIPLE-TESTED FOR  
GREATER  
DEPENDABILITY



PREMIUM QUALITY  
THROUGH  
AUTOMATION



FIRE SAFETY  
UL790 TESTED



STORM-PROOF ULTRA-  
CLEAR TEMPERED SAFETY  
GLASS



ELECTRICAL SAFETY WITH  
SILICONE SEALANT &  
MULTI-LAYER BACK SHEET



HAIL PROTECTION &  
HEAVY SNOW LOAD  
TESTED



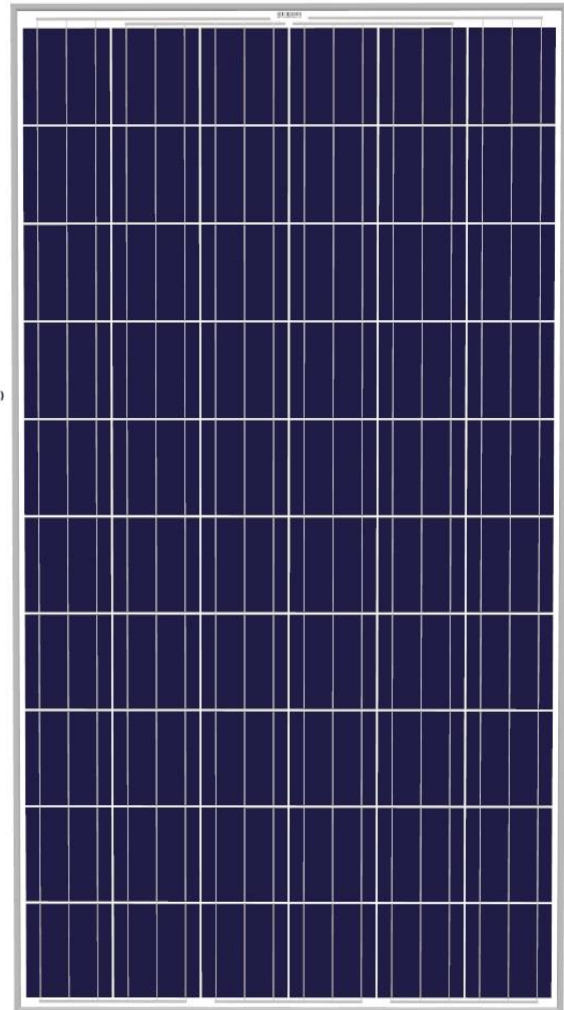
SALT MIST CORROSION  
TESTED



Anti-PID TESTED



FARM-FRIENDLY:  
NH<sub>3</sub> RESISTANCE  
TESTED



SolarPark korea **Powermodules™** will suit your every need. Combining the finest raw materials with state-of-the-art automation technology, and backed by an industry-leading 25-year guarantee\*, our **Powermodules™** deliver top-notch quality you can rely on –  
**QUALITY MADE IN KOREA.**

\*1<sup>st</sup> year performance guarantee of 97% of labeled P<sub>max</sub>, followed by an annual decrease of 0.7%, which guarantees at least 80.2% of P<sub>max</sub> after the 25<sup>th</sup> year.

\*\* SolarPark's PowerPlus Sorting (positive sorting): actual > rated power: tolerance only extends to positive deviations (additionally up to +5W/0W).

## I. PERFORMANCE

### Standard Test Conditions (STC)

Performance at 25 °C under 1,000 W/m<sup>2</sup>, AM 1.5  
at 200 W/m<sup>2</sup>, 95 % of STC- efficiency is achieved [EN 60904-1]

|            | P <sub>mpp</sub> [W] | V <sub>oc</sub> [V] | V <sub>mpp</sub> [V] | I <sub>sc</sub> [A] | I <sub>mpp</sub> [A] | Efficiency |
|------------|----------------------|---------------------|----------------------|---------------------|----------------------|------------|
| SPP 250 SR | 250                  | 37.5                | 30.7                 | 8.63                | 8.15                 | 15.27%     |
| SPP 255 SR | 255                  | 37.7                | 30.9                 | 8.72                | 8.27                 | 15.58%     |
| SPP 260 SR | 260                  | 37.9                | 31.1                 | 8.81                | 8.38                 | 15.88%     |

## II. THERMAL CHARACTERISTICS

### Nominal operating cell temperature (NOCT)

46±2 °C

Temperature coefficient of P<sub>mpp</sub> -0.45 %/°C

Temperature coefficient of V<sub>oc</sub> -0.35 %/°C

Temperature coefficient of I<sub>sc</sub> 0.034 %/°C

\*Sun simulation measurement tolerance (Class AAA Flasher): +/- 3%.

\*SolarPark's PowerPlus Sorting (positive sorting): actual > rated power: tolerance only extends to positive deviations (additionally up to +5W/0W).

## III. MODULE ARCHITECTURE

**Solar Cell** Multicrystalline Silicon, 156 x 156 mm (6 Inch)

**Cell Array** 10 x 6, total 60 Cells

**Glass** 3.2mm Tempered Glass

**Frame** Anodized aluminum alloy

**Junction Box** IP67 rated (3 Bypass Diodes)

**Cable** IEC and/or UL

**Connector** MC4 compatible

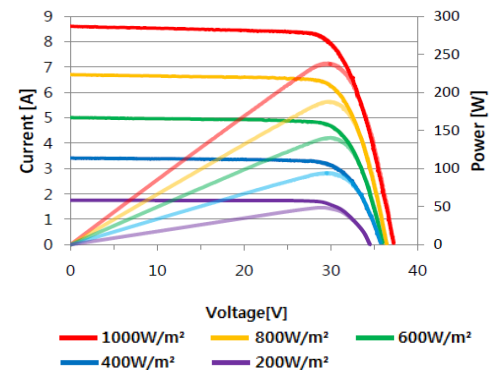
**Protection Rating** IP67

### Module

**Dimension** 1,650 x 992 x 34 mm (64.96 x 39.1 x 1.4 inches)

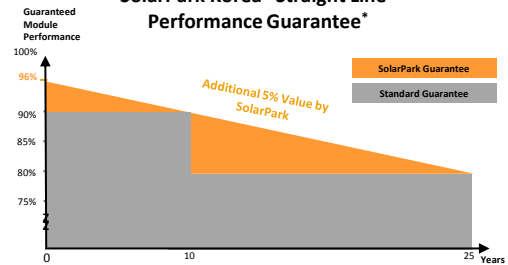
**Weight, Module** 18 kg (39.6lbs.)

## I-V & V-P Curve

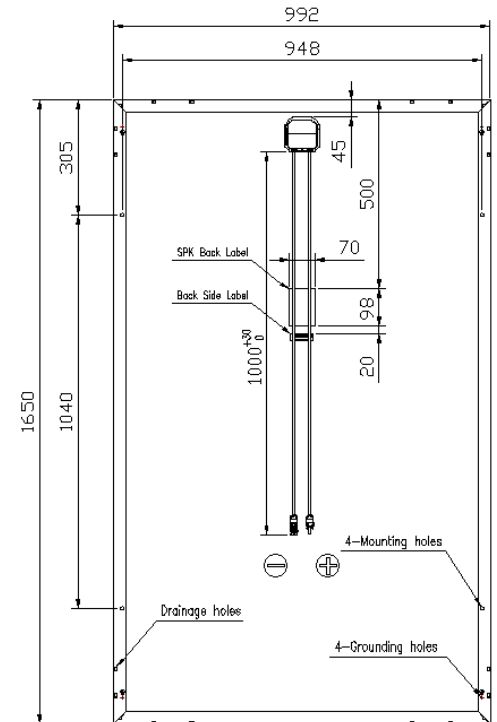


Reference Data for 250W model. Cell Temp. 25°C

### SolarPark Korea "Straight Line" Performance Guarantee\*



\* 1<sup>st</sup> year performance guarantee of 97% of labeled P<sub>max</sub>, followed by an annual decrease of 0.7%, which guarantees at least 80.2% of P<sub>max</sub> after the 25<sup>th</sup> year.



## IV. SAFETY INFORMATION

**Max. System Voltage:** 1,000 V<sub>DC/IEC</sub>

**Series Fuse Rating:** 15 A

**IEC Protection Class:** Safety Class II

**Fire Safety Classification** Class C

**Operating Temperature:** -40 ~+85 °C

**IEC Max. Snow Test Load:** 5,400 Pa

## V. PACKING CONFIGURATION

**Container** 40'HC

**Piece per pallet** 30

**Pallets per container** 28

**Pieces per container** 840



**IMPORTANT!**

Please read the respective SolarPark Korea Powermodule™ Safety & Installation Manual prior to handling, installing and operating SolarPark Korea Powermodules™. Electrical work should only be performed by qualified personnel.

All Specifications are in compliance with EN 50380, and are subject to change without prior notice.



SolarPark Korea Co., Ltd.  
Factory: 292,300 Wanjusandan St.6,Bongdong-eup,Wanju-gun, Jeollabuk-do, Korea

www.solarpark-korea.com | support@solarpark-korea.com