

SPP 315 | 320 mono



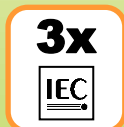
ADDITIONAL 5% VALUE:
25-YEAR "STRAIGHT
LINE WARRANTY"*



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



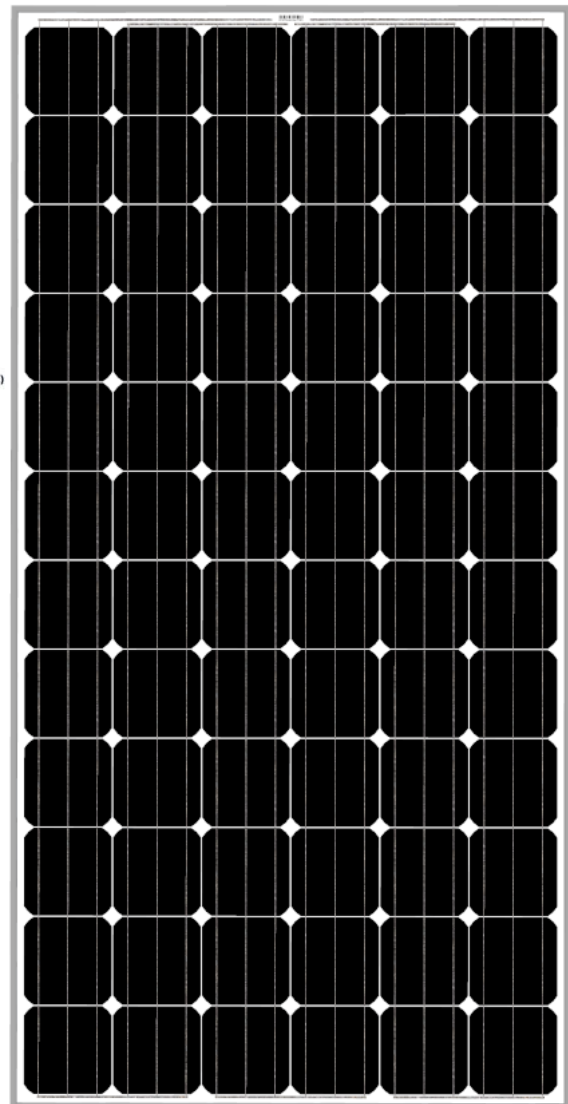
SALT MIST CORROSION
TESTED



Anti-PID TESTED



FARM-FRIENDLY:
NH₃ 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.

*1st year performance guarantee of 97% of labeled P_{max}, followed by an annual decrease of 0.7%, which guarantees at least 80.2% of P_{max} after the 25th year.

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

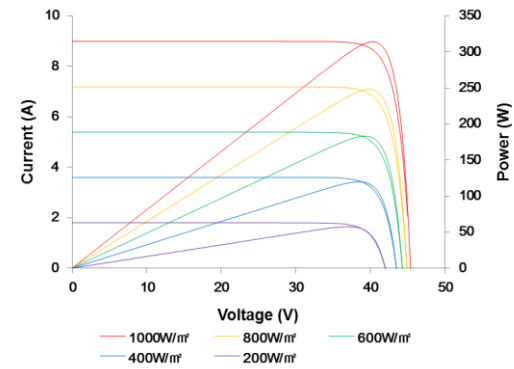
I. PERFORMANCE

Standard Test Conditions (STC)

Performance at 25 °C under 1,000 W/m², AM 1.5
at 200 W/m², 95 % of STC- efficiency is achieved [EN 60904-1]

| | P _{mpp} [W] | V _{oc} [V] | V _{mpp} [V] | I _{sc} [A] | I _{mpp} [A] | Efficiency |
|--------------|----------------------|---------------------|----------------------|---------------------|----------------------|------------|
| SPP 315 mono | 315 | 45.7 | 36.92 | 8.97 | 8.54 | 16.14% |
| SPP 320 mono | 320 | 45.7 | 37.04 | 9.07 | 8.64 | 16.39% |

I-V & V-P Curve



Reference Data for 320W model. Cell Temp. 25°C

II. THERMAL CHARACTERISTICS

| | |
|---|------------|
| Nominal operating cell temperature (NOCT) | 46±2 °C |
| Temperature coefficient of P _{mpp} | -0.45 %/°C |
| Temperature coefficient of V _{oc} | -0.33 %/°C |
| Temperature coefficient of I _{sc} | 0.049 %/°C |

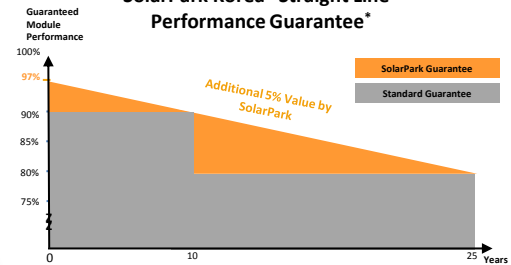
*Sun simulation measurement tolerance (Class AAA Flasher): +/- 3%.

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

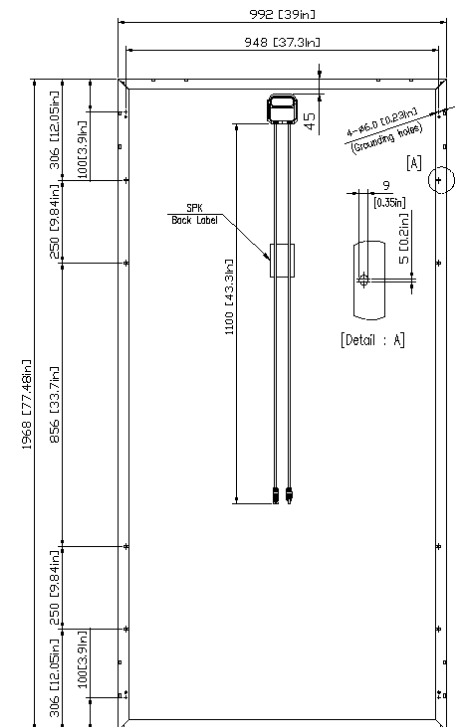
III. MODULE ARCHITECTURE

| | |
|-------------------|---|
| Solar Cell | Monocrystalline Silicon, 156 x 156 mm (6 Inch) |
| Cell Array | 12 x 6, total 72 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 | 1,968 x 992 x 40 mm (77.48 x 39.1 x 1.6 inches) |
| Weight, Module | 23 kg (50.7lbs.) |

SolarPark Korea "Straight Line" Performance Guarantee*



* 1st year performance guarantee of 97% of labeled P_{max}, followed by an annual decrease of 0.7%, which guarantees at least 80.2% of P_{max} after the 25th year.



IV. SAFETY INFORMATION

| | |
|----------------------------|---------------------------|
| Max. System Voltage: | 1,000 V _{DC/IEC} |
| 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 | 25 |
| Pallets per container | 22 |
| Pieces per container | 550 |



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.



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