

SPP 300 | 305 | 307 | 310

- 

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
- 

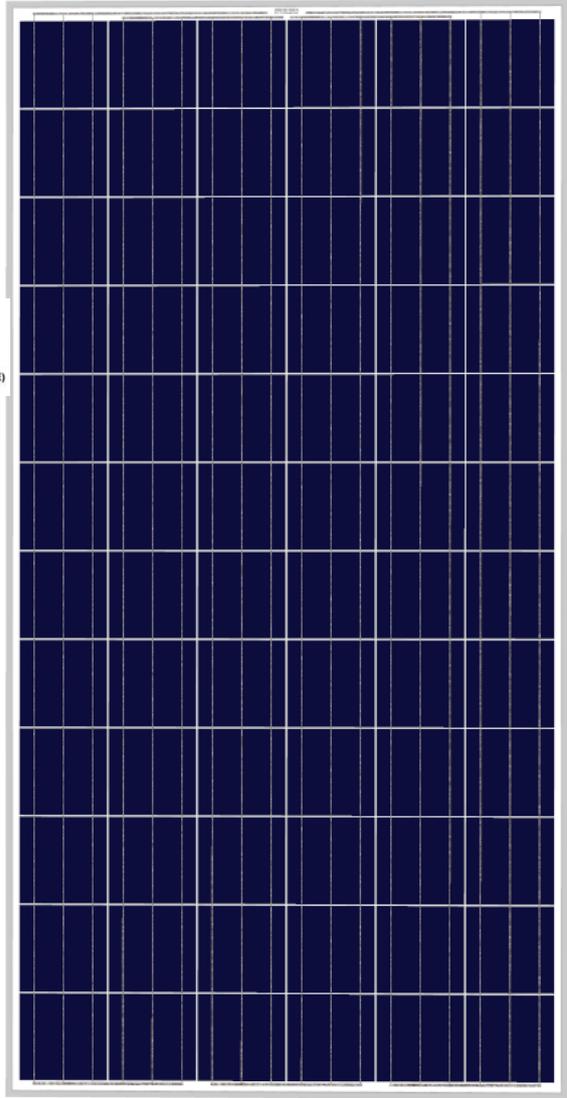
HAIL PROTECTION &
HEAVY SNOW LOAD
TESTED
- 

ANTI
SALT
SALT MIST CORROSION
TESTED
- 

Anti
PID
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 Pmax, followed by an annual decrease of 0.7%, which guarantees at least 80.2% of Pmax 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 300 SR	300	45.0	36.0	8.77	8.32	15.37%
SPP 305 SR	305	45.4	36.3	8.84	8.39	15.62%
SPP 307 SR	307	45.5	36.5	8.87	8.42	15.73%
SPP 310 SR	310	45.7	36.6	8.91	8.46	15.88%

II. THERMAL CHARACTERISTICS

Nominal operating cell temperature (NOCT)

46±2 °C

Temperature coefficient of P_{mpp}

-0.45 %/°C

Temperature coefficient of V_{oc}

-0.35 %/°C

Temperature coefficient of I_{sc}

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 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

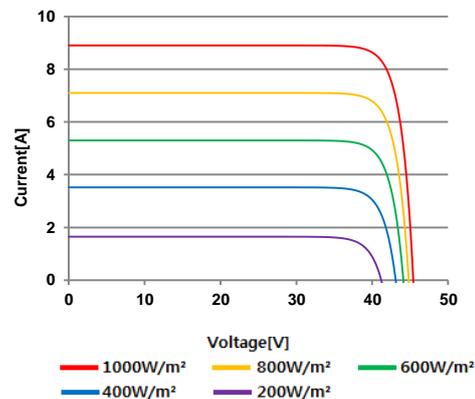
Protection Rating IP67

Module

Dimension 1,968 x 992 x 40 mm (77.48 x 39 x 1.6 inches)

Weight, Module 23 kg (50.7lbs.)

I-V Curve

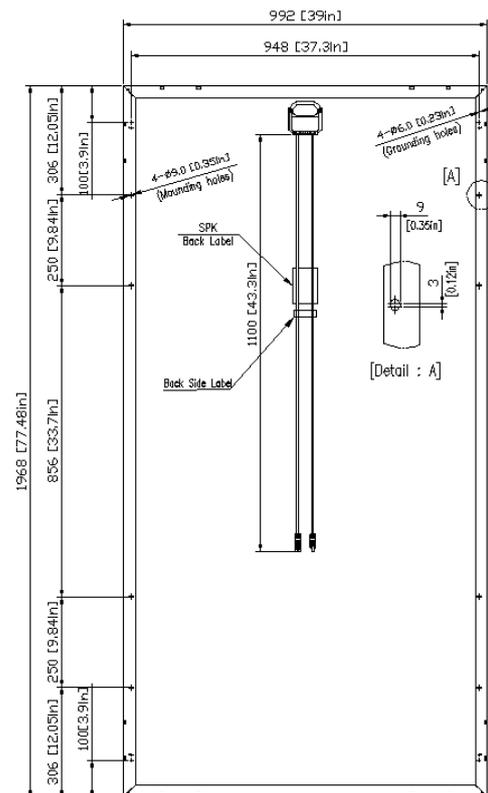


Reference Data for 305W model. Cell Temp. 25°C

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

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



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.

IMPORTANT!

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