

SSF Solar Module

SSF-P60



ELECTRICAL DATA (STC)

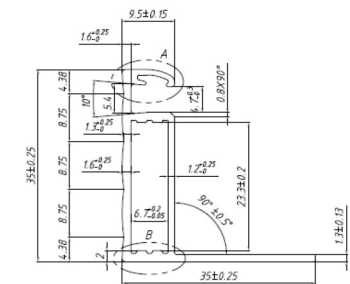
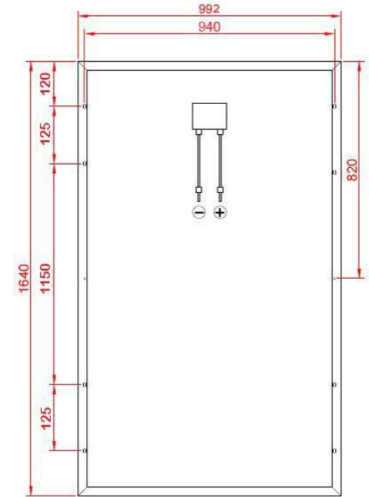
Peak Power Watts- P_{MAX} (Wp)*	265	270	275	280
Power Output Tolerance- P_{MAX} (W)	0 ~ +5			
Maximum Power Voltage- V_{MPP} (V)	30.8	30.9	31.1	31.4
Maximum Power Current- I_{MPP} (A)	8.61	8.73	8.84	8.92
Open Circuit Voltage- V_{OC} (V)	38.3	38.4	38.5	38.7
Short Circuit Current- I_{SC} (A)	9.10	9.18	9.25	9.34
Module Efficiency η_p (%)	16.2	16.5	16.8	17.1

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.
*Measuring tolerance: ±3%.

ELECTRICAL DATA (NOCT)

Maximum Power- P_{MAX} (Wp)	197	200	204	207
Maximum Power Voltage- V_{MPP} (V)	28.6	28.7	29.0	29.2
Maximum Power Current- I_{MPP} (A)	6.89	6.97	7.03	7.10
Open Circuit Voltage- V_{OC} (V)	35.5	35.5	35.6	35.8
Short Circuit Current- I_{SC} (A)	7.35	7.41	7.47	7.55

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.



COMPONENT MATERIALS

Solar Cells	Poly Crystalline 157 × 157 mm (6.18 inches)
Cell Orientation	60 cells (6 × 10)
Module Dimensions	1640 × 992 × 35 mm (64.57 × 39.05 × 1.37 inches)
Weight	17.8 kg (39.24 lb)
Glass	3.2 mm (0.125 inches), High Transmission, AR Coated Tempered Glass, Anti-Reflective, Low Iron
Backsheet	White
Frame	Silver Anodized Aluminium Alloy
J-Box	IP 67 rated - 4 Railes - 3 pcs bypass diodes
Cables	Photovoltaic Technology Cable 4.0mm ² (0.006inches ²), 1000 mm (30.37 inches)
Connector	MC4 Compatible

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	44°C (± 2°C)
Temperature Coefficient of P_{MAX}	- 0.41%/°C
Temperature Coefficient of V_{OC}	- 0.32%/°C
Temperature Coefficient of I_{SC}	0.05%/°C

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1000V DC
Max Series Fuse Rating	15A

WARRANTY

10 year Product Workmanship Warranty
25 year Linear Power Warranty

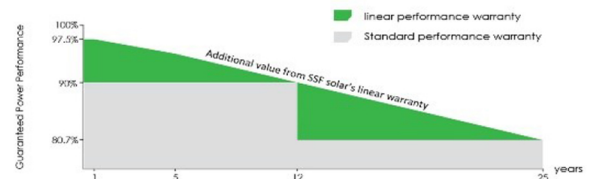
PACKAGING CONFIGURATION

Modules per box: 24 pieces
Modules per 40' container: 624 pieces

(Please refer to product warranty for details)

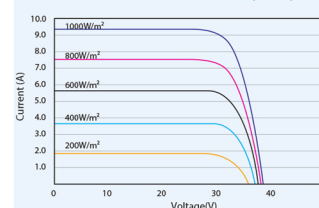
LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



Electrical Performance & Temperature Dependence

I-V CURVES OF PV MODULE(280W)



P-V CURVES OF PV MODULE(280W)

