



Electrical Specifications (performance at STC: 1000W/m², 25°C, AM1.5)

| Specification | ASP-S2-80 | ASP-S2-85 | ASP-S2-90 |
|--|-----------|-----------|-----------|
| Nominal Power(Pm)/W | 80 | 85 | 90 |
| Open Circuit Voltage(Voc)/V | 58.8 | 60.2 | 61.2 |
| Short Circuit Current (Isc)/A | 1.90 | 1.97 | 2.08 |
| Voltage at max. Power(Vm)/V | 47.4 | 48.3 | 48.5 |
| Current at max. Power(Im)/A | 1.68 | 1.76 | 1.86 |
| System Properties (at STC) | | | |
| Maximum Series Fuse Rating(I _{CF})/A | 3.0 | 3.5 | 3.5 |
| Maximum System Voltage(V _{sys})/V | 1000 | 1000 | 1000 |

Mechanical Specifications

| | |
|---------------|--------------------------|
| Length | 1200mm |
| Width | 600mm |
| Thickness | 6.8mm |
| Area | 0.72m ² |
| Weight | 12kg |
| Frame | None |
| Lead Cable | 2.5mm ² 580mm |
| Connectors | MC4 |
| Bypass Diode | 6A |
| Cell Type | Cadmium Telluride (CdTe) |
| Solar Glass | 3.2 Annealed Glass |
| Back Glass | 3.2 Annealed Glass |
| Encapsulation | Eva+ Edge Sealing |

Temperature Characteristics(at STC)

| | |
|---------------------------------|------------------------------------|
| Temperature Coefficients of Isc | $\alpha=0.060\%/^{\circ}\text{C}$ |
| Temperature Coefficients of Voc | $\beta=-0.321\%/^{\circ}\text{C}$ |
| Temperature Coefficients of Pm | $\gamma=-0.214\%/^{\circ}\text{C}$ |
| Operating Temperature Range | -40°C To +85°C |

Packaging Configuration

| | |
|---------------------------|-----------------|
| Modules Per Pallet | 54PCS |
| Pallet Weight | 680kg |
| Pallet Dimensions | 1260x1080x790mm |
| Modules Per 40' Container | 1944PCS |

Warranty:

- 10 years materials and workmanship.
- 25 years power output guarantee for 90% of nominal output during first 10 years and 80% over 25 years.
- Modules are life cycle managed with a collection and recycling program, providing module owners with no cost, end-of-life take back, and recycling of the modules.