



Electrical Specifications

Standard test conditions (STC) : 1000W/m², 25°C, AM1.5

| Model Types | / | ASP-SST1-black |
|-----------------------|---------------------|----------------|
| Maximum Power | P _m (W) | 105 |
| Open Circuit Voltage | V _{oc} (V) | 116.00 |
| Short Circuit Current | I _{sc} (A) | 1.390 |
| Peak Power Voltage | V _{mp} (V) | 86.37 |
| Peak Power Current | I _{mp} (A) | 1.220 |

System Properties (at STC)

| | | |
|----------------------------|----------------------|--------|
| Maximum Series Fuse Rating | I _{cr} (A) | 2.0 |
| Limiting Reverse Current | I _R (A) | 2.5 |
| Maximum System Voltage | V _{sys} (V) | 1000.0 |

Photovoltaic Tile Assembly Structure

3.2mm solar cell + 0.5mm EVA & butyl tape + 3.2mm glass (Aluminum alloy frame)

Mechanical Parameters

| | |
|-------------------|--|
| Construction size | 1237*630mm(±3mm) |
| External size | 1222*596mm(±3mm) |
| Thickness | 27.5mm(±2mm) |
| Overlapping size | upper limb:34mm, Side edge:15mm |
| Weight | 14.0kg |
| Colour | Black, cyan, red, gold |
| Waterproof mode | Structural waterproofing |
| Frame | Aluminum alloy (anodized thickness) |
| Junction Box | back, IP68 |
| Leadwire | 2.5mm ² , 1100mm(+)&1100mm(-) |
| Connectors | MC4 |
| Bypass Diode | 10A |
| Cell Type | Cadmium Telluride(CdTe) |

Temperature Characteristics(at STC)

| | | |
|---|------------------------|------------|
| Temperature Coefficients of I _{sc} | T _{Kα} (%/°C) | +0.06 |
| Temperature Coefficients of V _{oc} | T _{Kβ} (%/°C) | -0.321 |
| Temperature Coefficients of P _m | T _{Kγ} (%/°C) | -0.214 |
| Operating Temperature Range | (°C) | -40 to +85 |

Mechanical Character

| | |
|----------------------------|--------------------|
| Load capacity | ±2400(Pa) |
| fire-protection rating | Class A |
| Hail resistance | Pass the hail test |
| Minimum installation slope | ≥ 10° |

Packaging Parameters

| | | |
|------------------------------|-------|---------------|
| PV-Modules Per Pallet | (PCS) | 27 |
| Pallet Weight | (kg) | 400 |
| Pallet Dimensions | (mm) | 1280x1100x800 |
| PV-Modules Per 40' Container | (PCS) | 756 |

Warranty

·3 years materials and workmanship.

·25 years power output guarantee for 90% of nominal output during first 10 years and 80% over 25 years.