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Solar Panel Guide Specification Data Sheet

Solartif Sdn Bhd

Poly 90-120

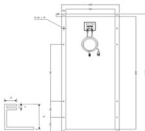
STF-110P6

Also available on the web at
EnergyPal.com/solartif-sdn-bhd-solar-panels/stf-110p6

90/100/110/120Watt



Front View



Back View

Specifications

| | |
|----------------------------|-----------------|
| Cell Size (mm) | 156 x 156 |
| No. of Cells & Connections | 36 (4x9) |
| Dimension of Module (mm) | 1468 x 660 x 47 |
| Weight (kg) | 11.5 |

Temperature & Coefficient

| | |
|---|-------------|
| NOCT | 43.6°C |
| Short-Circuit Current Temp. Coefficient | -0.028 %/°C |
| Open-Circuit Voltage Temp. Coefficient | -0.068 %/°C |
| Peak Power Temp. Coefficient | -0.390 %/°C |
| Power Tolerance | ±5% |

Electrical Characteristics

| Model | STF - 90WP6 | STF - 100WP6 | STF - 110WP6 | STF - 120WP6 |
|-------------------------------|-------------|--------------|--------------|--------------|
| Rated Power (Pmax) | 90W ± 5% | 100 ± 5% | 110 ± 5% | 120 ± 5% |
| Open-circuit voltage (Voc) | 21.6 V | 21.7 V | 21.7 V | 21.8 V |
| Short - circuit current (Isc) | 5.79 A | 6.24 A | 6.9 A | 7.63 A |
| Voltage at Pmax (Vmp) | 17.3 V | 17.2 V | 17.2 V | 17.4 V |
| Current at Pmax (Imp) | 5.2 A | 6.00 A | 6.4 A | 6.89 A |
| Maximum system voltage | 1000 V | | | |
| Operating temperature | 25°C | | | |

**All the data of this sheet are subjected to change without notice.

FEATURES

- A range of PV modules (90-120W) using square poly-crystalline silicon solar cells with 13.6% module conversion efficiency.
- Photovoltaic module with bypass diode minimize the power drop caused by shade.
- Textured cell surface to reduce the reflection of sunlight and BSF (Back Surface Field) structure to improved cell conversion efficiency: 13.5%
- White tempered glass, EVA resin and a weatherproof film, plus aluminum frames for extended outdoor use.
- Output terminal: Lead wire with waterproof connector.
- Certifications: IEC 61215 / IEC 61730