FEATURES

- A range of PV modules (100-120W) using square poly-crystalline silicone solar cells with 14.0% 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 improve cell conversion efficiency.
- White tempered glass, EVA resin and a weatherproof film, plus aluminum frames for extended outdoor use.
- Output terminal: Lead wire with waterproof connector.
- Certification: IEC 61215/61730

POLY-CRYSTALLINE SILICON PHOTOVOLTAIC (PV) MODULES

These poly-crystalline module features 14.5% encapsulated cell efficiency and 14.0% module efficiency. The STF-100P6/110P6/120P6 module allows for maximum usable power per square meter of solar array.

A safe, clean, reliable source of energy, SolarTIF's STF-100P6/110P6/120P6 photovoltaic module is designed for medium to large electrical power requirements. Based on the technology of crystal silicon solar cells developed over 5 years, this module has superb durability to withstand rigorous operating conditions and is suitable for grid connected systems.

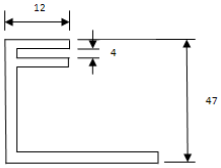
Common applications for the STF-100P6/110P6/120P6 include residence, office building, solar power stations and solar suburb. As the world's leading manufacturer of photovoltaic modules, SolarTIF produces extensive line of high power modules for every electrical power requirement.

Specification

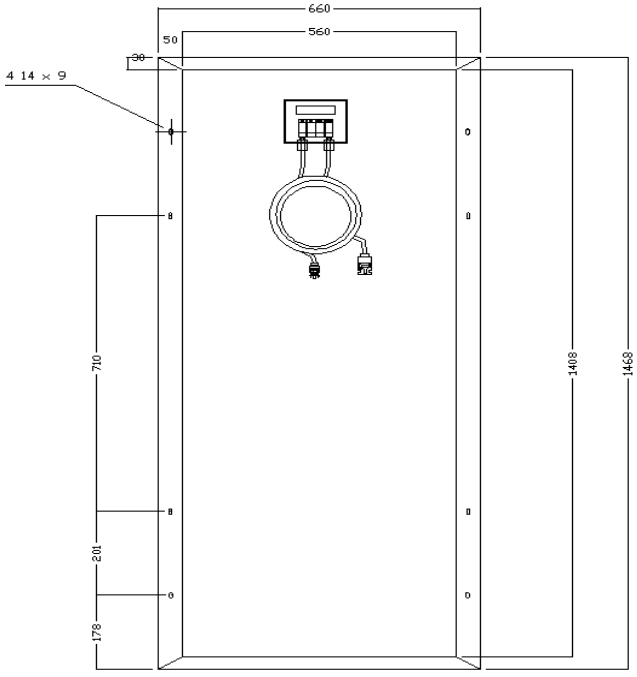
Cell	156mm x 156mm
No. of cell and connections	36 (4x9)
Dimension of module (mm)	1470 x 662 x 45
Weight (kg)	12.0

Temperature and coefficient

NOCT	43.6˚C
Short-circuit current temp coefficient	6.928mA/ ˚C
Open-circuit voltage temp coefficient	-0.068V/ ˚C
Peak power temp coefficient	-0.391W/ ˚C
Power tolerance	0 > ±3%



Back view



Model	STF – 100P6	STF – 110P6	STF – 120P6
Rated Power (Pmax)	100W ± 3%	110 ± 3%	120 ± 3%
Open- circuit voltage (Voc)	21.5 V	21.5 V	21.5 V
Short – circuit current (Isc)	6.24A	6.9A	7.63A
Voltage at Pmax (Vmp)	17.30V	17.35V	17.40V
Current at Pmax(Imp)	6.0A	6.4A	6.89A