

Technical Data

MODULES

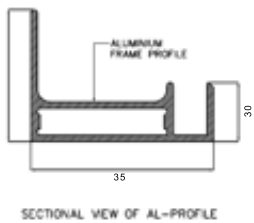
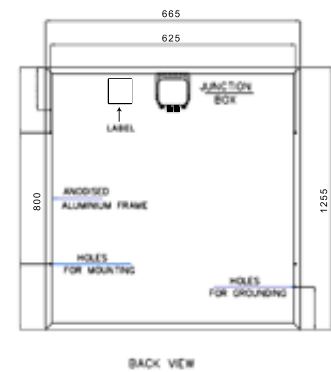
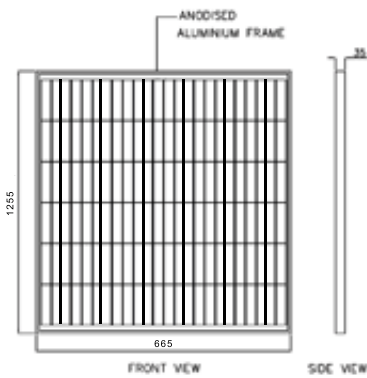
SFTI-120

SFTI-125

SFTI-130

SFTI-135

DIMENSIONS in mm



ELECTRICAL PERFORMANCE

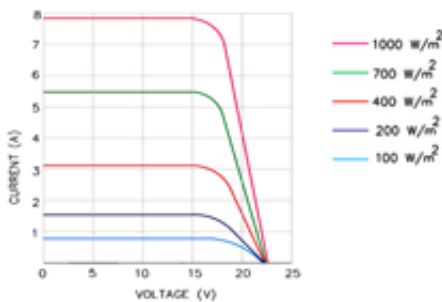
Electrical Parameters at Standard Test Conditions (STC)

Parameter	SFTI-120	SFTI-125	SFTI-130	SFTI-135
Pmax (watts) (nominal)	120	125	130	135
Voltage at PMax Vmpp (V)	17.45	17.6	17.64	17.69
Current at PMax Impp (A)	6.88	7.11	7.39	7.64
Open-circuit Voltage Voc (V)	21.54	21.78	22.03	22.14
Short Circuit Current Isc (A)	7.45	7.64	7.84	8.08
Module Efficiency (%)	12.08	12.58	13.08	13.58

CONSTRUCTION MATERIALS

Module Dimensions L x W x H (mm)	1255 x 665 x 35
Weight (kg)	9.85
Junction Box	IP65, 3 Terminal with 2 bypass diodes
Application Class	CLASS A (safety classII)
Front Covers	High transmission, low iron, tempered glass
Cells	36 Nos., poly crystalline
Cell Encapsulant	EVA (Ethylene Vinyl Acetate)
Back Cover	Composite film
Frame	Anodized aluminium frame with twin wall profile
Mounting Holes	Mounting hole 4 nos. (oval shape (14*7mm)) and 6mm grounding hole 2 nos.

IV CURVES



TEMPERATURE COEFFICIENTS

Tc of Open Circuit Voltage (β)	-0.35 % /°C
Tc of Short Circuit Current (α)	0.05 % /°C
Tc of Power (γ)	-0.414 % /°C
Maximum System Voltage (V)	1000 V
NOCT(°C)	45 °C ± 2 °C
Temperature Range	- 40 °C to + 85 °C

