

Technical Data

MODULES

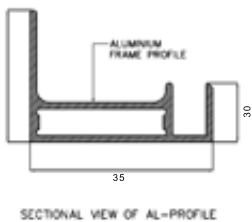
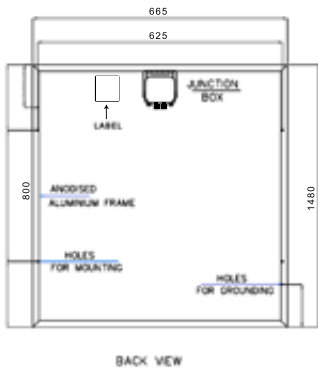
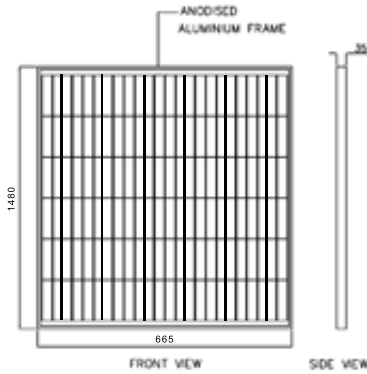
SFTI-140

SFTI-145

SFTI-150

SFTI-160

DIMENSIONS in mm



ELECTRICAL PERFORMANCE

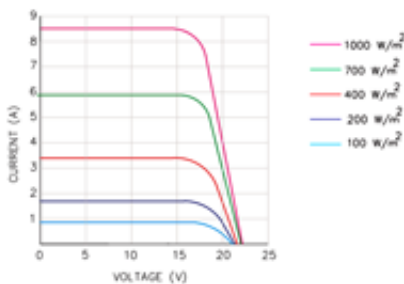
Electrical Parameters at Standard Test Conditions (STC)

| | 140 | 145 | 150 | 160 |
|-------------------------------|-------|-------|-------|-------|
| Pmax (watts) (nominal) | 140 | 145 | 150 | 160 |
| Voltage at PMax Vmpp (V) | 17.74 | 17.79 | 17.85 | 19.01 |
| Current at PMax Impp (A) | 7.90 | 8.16 | 8.41 | 8.42 |
| Open-circuit Voltage Voc (V) | 22.35 | 22.29 | 22.58 | 22.85 |
| Short Circuit Current Isc (A) | 8.30 | 8.54 | 8.7 | 8.8 |
| Module Efficiency (%) | 14.09 | 14.59 | 16.1 | 16.2 |

CONSTRUCTION MATERIALS

| | |
|----------------------------------|--|
| Module Dimensions L x W x H (mm) | 1480 x 665 x 35 |
| Weight (kg) | 11 |
| 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. (ovel shape (14*7mm)) and 6mm Grounding hole 2 nos. |

IV CURVES



TEMPERATURE COEFFICIENTS

| | |
|--|--------------------|
| Tc of Open Circuit Voltage (β) | -0.35 ± 0.01 % /°C |
| Tc of Short Circuit Current (α) | 0.05 ± 0.02% /°C |
| Tc of Power (γ) | -0.44 ± 0.02% /°C |
| Maximum System Voltage (V) | 1000 V |
| NOCT(°C) | 45 °C ± 2 °C |
| Temperature Range | - 40 °C to + 85 °C |

