

F-Series 100W PV Module SPM100P-TS-F

Solartech F-Series Modules

Solartech photovoltaic F-Series Modules are constructed with high efficient polycrystalline solar cells and produce higher output per module than others in it class. This industrial grade module is an industry standard among various industry professionals.

Features

• Accessible junction box with 4-1/2 knockout for ease of installation.

 (EVA) with TPT cushions the solar cells within the laminate an ensures the operating characteristics of the solar cells under virtually any climatic condition
Rigid anodized aluminum frame and low iron tempered glass

• Easily accessible grounding points on all four corners for fast installation

Proven junction box technology

Reliability

- Proven superior field performance
- Tight power tolerance

Qualifications and Certifications



UL No.: E330673 TUV No.:0000022551 IEC No.:C1-ASN07001 ETL No.:4001057

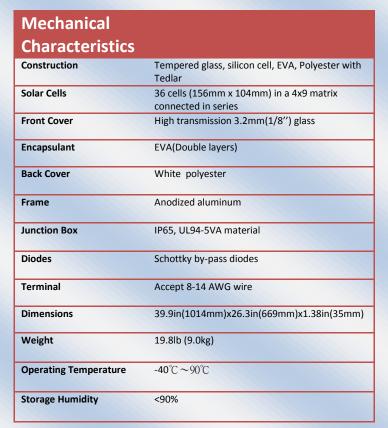
Applications

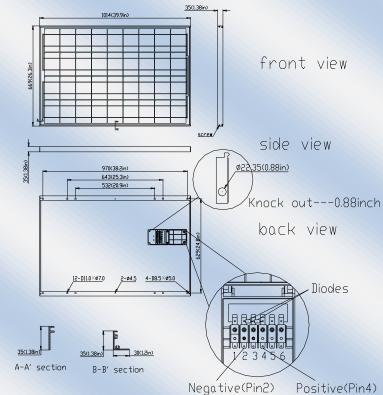
- Traffic & Safety
- Federal Government
- Oil & Gas
- Security
- Telecommunications
- Water and Wastewater
- Weather & Environmental Monitoring
- RV Camper
- Emergency Power
- Telemetry
- •SCADA, RTU, GPS
- Marine
- Area Lighting & Sign

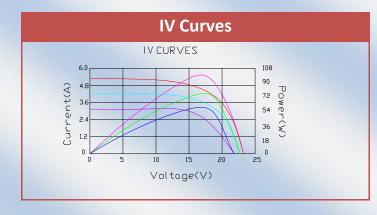
Model Number SPM100P-TS-F

Electrical Characteristics

Characteristics	
Max power(Pm)	100W
Maximum power voltage(Vpm)	18.6V
Maximum power current (Ipm)	5.38A
Short circuit current (Isc)	5.76A
Open circuit voltage (Voc)	22.8V
Module efficiency	14.8%
Tolerance	±5%
Nominal Voltage	12V
Temperature coefficient of Voc	-0.36%/K
Temperature coefficient of Pm	-0.46%/K
Temperature coefficient of lsc	0.05%/K
NOCT	48° C ±2° C
Maximum series fuse rating	12A
Maximum system voltage	1000V







Warranty

- 25-year limited warranty of 80% power output;
- 12-year limited warranty of 90% power output;5-year limited warranty of materials and worksmanship

Certifications

- IEC61215, TUV certification
- UL 1703 certification

ETL Class I , Division 2, Groups C and D certification