

N-Series 45W PV Module SPM045P-N

Solartech N-Series Modules

Solartech photovoltaic N-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 2 MC4 style 3ft leads 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



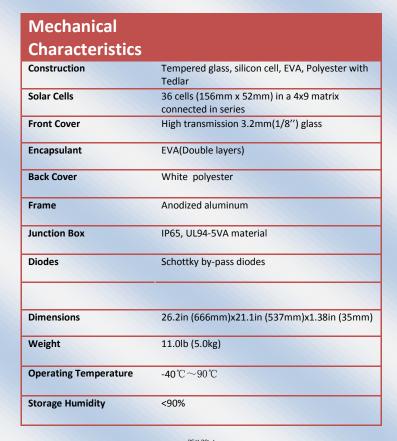
Applications

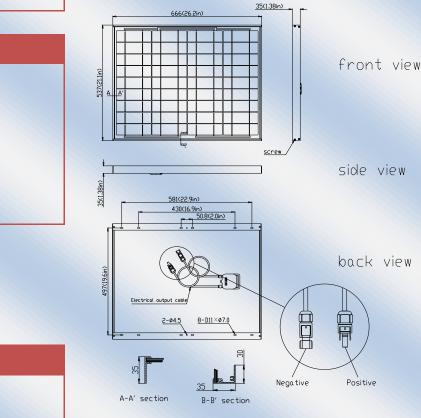
- Traffic & Safety
- Federal Government
- Agricultural
- Security
- Telecommunications
- Water and Wastewater
- Weather & Environmental Monitoring
- RV Camper
- Emergency Power
- Telemetry
- •SCADA, RTU, GPS
- Marine
- Area Lighting & Sign
- •Wi-Fi & Wi=Max
- Fence & Gate

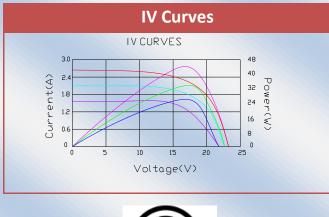
Model Number SPM045P-N

Electrical Characteristics

Characteristics	
Max power(Pm)	45W
Maximum power voltage(Vpm)	18.3V
Maximum power current (Ipm)	2.52A
Short circuit current (Isc)	2.69A
Open circuit voltage (Voc)	22.2V
Module efficiency	13.10%
Tolerance	±5%
Nominal Voltage	12V
Temperature coefficient of Voc	-0.36%/K
Temperature coefficient of Pm	-0.46%/K
Temperature coefficient of Isc	0.05%/K
NOCT	48℃±2℃
Maximum series fuse rating	10A
Maximum system voltage	600V









*Subject to simulator measurement uncertainty of +/- 5%.

Solartech Power, Inc. reserves the right to modify these specifications without notice. For more detailed specifications, visit www.solartechpower.com