SOLARTECH®
POWER, INC.

Solartech W-Series Modules

Solartech photovoltaic W-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

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Intertek

Applications

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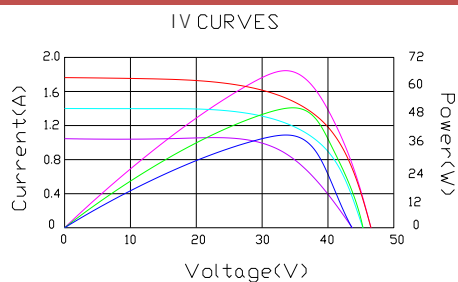•Marine
•Area Lighting & Sign
•Wi-Fi & Wi=Max
•Fence & Gate

Electrical Characteristics

Max power(Pm)	65W
Maximum power voltage(Vpm)	36.0V
Maximum power current (Ipm)	1.81A
Short circuit current (Isc)	1.95A
Open circuit voltage (Voc)	43.0V
Module efficiency	12.2%
Tolerance	$\pm$5%
Nominal Voltage	24V
Temperature coefficient of Voc	-0.36%/K
Temperature coefficient of Pm	-0.46%/K
Temperature coefficient of Isc	0.05%/K
NOCT	48℃$\pm$2℃
Maximum series fuse rating	10A
Maximum system voltage	600V

Mechanical Characteristics

Construction	Tempered glass, silicon cell, EVA, Polyester with Tedlar
Solar Cells	36 cells (156mm x 39mm) in a 4x17 matrix connected in series
Front Cover	High transmission 3.2mm(1/8'') glass
Encapsulant	EVA(Double layers)
Back Cover	White polyester
Frame	Anodized aluminum
Junction Box	IP65, UL94-5VA material
Diodes	Schottky by-pass diodes
Dimensions	38.9in(987mm)x21.3in(540mm)x1.38in(35mm)
Weight	15.4lb (7.0kg)
Operating Temperature	-40℃～90℃
Storage Humidity	<90%

IV Curves

Certifications

UL 1703 certification

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front view

side view

back view

Negative   Positive

A-A' section   B-B' section

*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