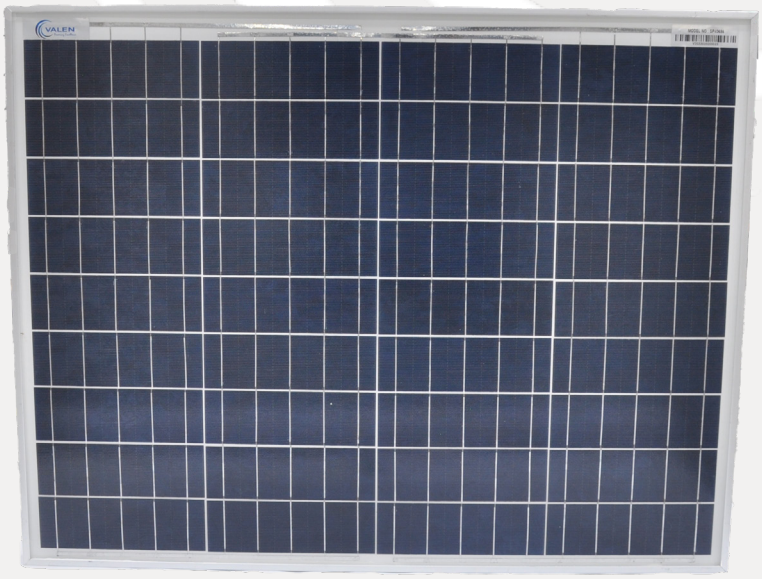
VALEN 50W SOLAR PANEL

SP40686



- Valen Solar Panels are designed for industrial applications and cater for a wide range of stand-alone power projects.
- These PV panels are manufactured using polycrystalline solar cells to ensure high efficiency in every application.
- Valen panels are aesthetic in appearance and have a high-performance level even in low light conditions due to the superior cells used.
- High transparent glass is used in our panels to ensure maximum output and protection against the elements.
- A corrosion-resistant module frame made of anodized aluminium alloy provides high mechanical strength to resist wind and hail storms. The frame has mounting holes on the side rails to bind the module to other supporting structures ensuring ease of installation.

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SOLAR PANEL SPECIFICATIONS

Specifications

MAX. POWER -Pmax- WATTS	50
VOLTAGE AT MAX.POWER POINT-Vmpp,VOLTS	18
CURRENT AT MAX.POWER POINT-Impp-AMPS	2.8
OPEN CIRCUIT VOLTAGE-Voc, VOLTS	22
SHORT CIRCUIT CURRENT-Isc, AMPS	3.0
NO.OF CELLS IN SERIES CONNECTED	36
NOMINAL VOLTAGE -V , VOLTS DC	12
Dimensions	665(L) x 535(W) x 35(H)
Weight	4.35kg
Cells	Polycrystalline solar cells
Temperature Range	-40°C to +85°C

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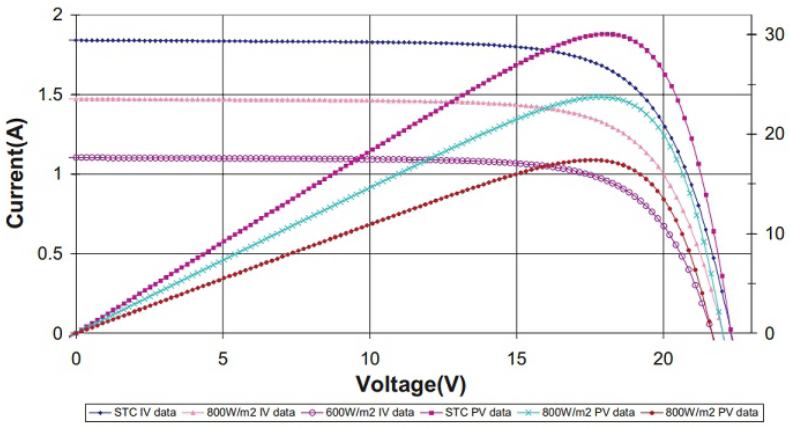

Temperature Coefficients

Nominal Operating Cell Temperature*	44˚C(±2˚C)
Short circuit current temperature	+(0.0725±0.015) %/°C
Open circuit voltage temperature coefficient	-(0.3283±0.02) %/°C
Peak power temperature coefficient	-(0.4035±0.02)%/°C
Power tolerance	02-3%

*NOCT: Nominal Operating Cell Temperature
(The data is only for reference)

Specifications subject to change without notice.

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