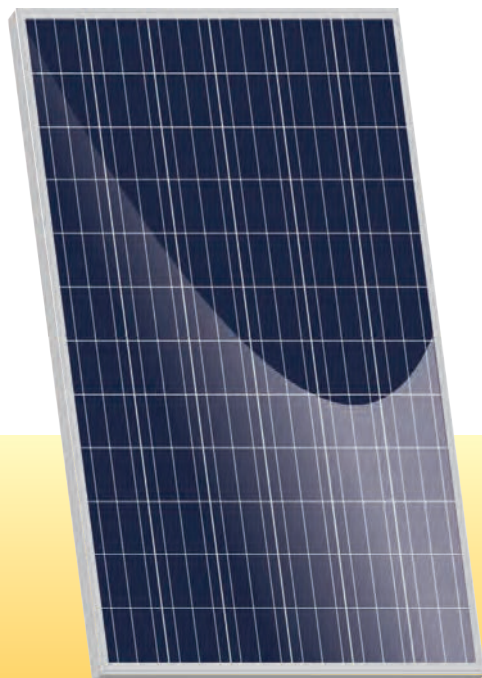




POLYCRYSTALLINE MODULE 280W



SOLAR MODULE: SDP-280

PRODUCT FEATURES



LOW VOLTAGE
Temperature coefficient
enhances high-temperature
operation



EXCEPTIONAL LOW-LIGHT
Performance and high sensitivity
to light across the entire solar
spectrum maximize yearly energy
delivery



PID FREE



CERTIFICATION
CE, IEC, TUV, UL, MCS,

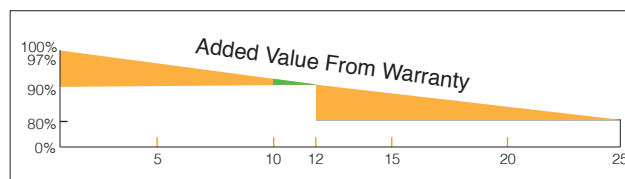
PRODUCT WARRANTY



LIMITED WARRANTY
On power output



LIMITED WARRANTY
On materials and
workmanship



**STANDARDS
of EXCELLENCE**

1 MANUFACTURED IN AN
ISO9001:2000 CERTIFIED
PLANT

2 OUTPUT POWER
TOLERANCE OF
0 TO +3%

3 HIGH EFFICIENCY,
HIGH SAFETY,
HIGH RELIABILITY

4 CE, IEC, TUV, UL, MCS,
PID-FREE

POLYCRYSTALLINE

MODULE 280W

MATERIALS

Highest quality, high-transmission tempered glass provides enhanced stiffness and impact resistance.

Advanced EVA encapsulation system with triple-layer back sheet meets the most stringent safety requirements for high-voltage operation.

A sturdy, anodized aluminum frame allows modules to be easily roof-mounted with a variety of standard mounting systems.

Ultra reliable bypass diodes prevent damage through overheating due to shaded or defective cells.

ELECTRICAL SPECIFICATIONS

Model Type	SDP-280
Nominal Maximum Power (Pmax)	280W
Optimum Operating Voltage (Vmp)	36.72V
Optimum Operating Current (Imp)	7.63A
Open Circuit Voltage (Voc)	43.78V
Short Circuit Current (Isc)	7.98A
Module Efficiency	14.43%
Cell Efficiency	16.47%
Power Tolerance	0 to +3%
Maximum System Voltage	DC 1000V
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse Rating	20A
Number of Bypass Diode	3

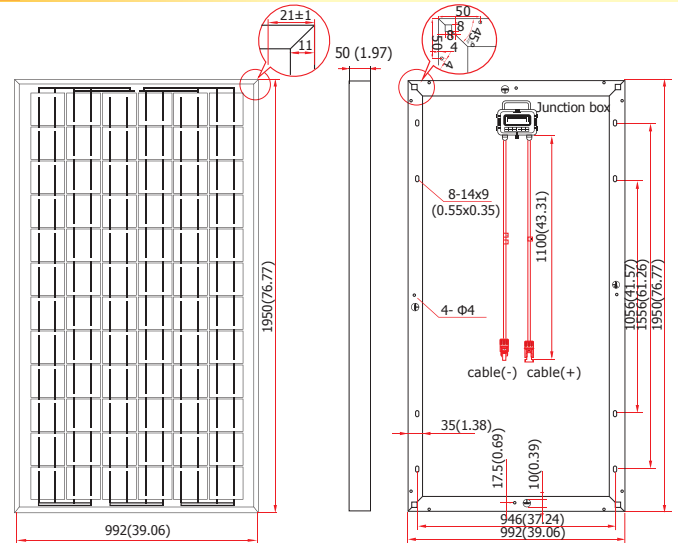
MECHANICAL DATA

Model Type	SDP-280
Cell Type	Poly 156mm x 156mm
Cell Arrangement	72 cells in series
Dimensions	1950 x 992 x 50 mm
Weight	22.86kg (approx)
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP67, 3 diodes
Cable	4mm ² (IEC) / 12AWG (UL), 1000mm (650mm is optional)
Connectors	MC4 or MC4 compatible

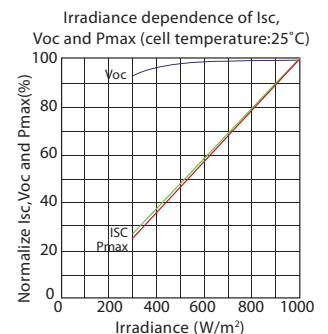
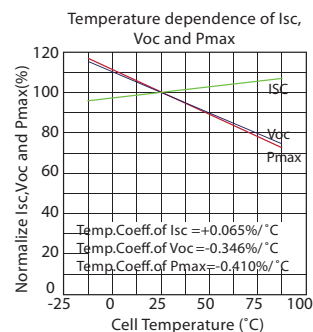
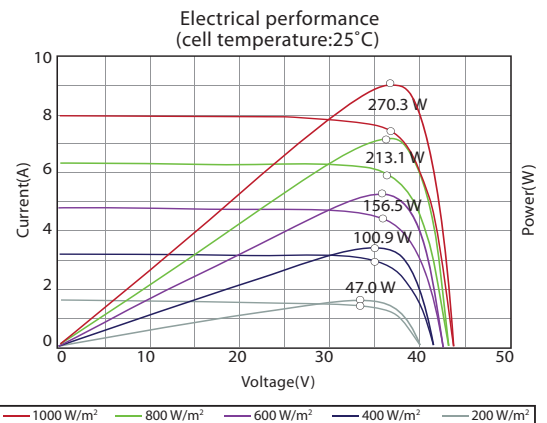
TEMPERATURE CHARACTERISTICS

Model Type	SDP-280
Temperature Coefficient (Pmax)	-0.410% / °C
Temperature Coefficient (Voc)	-0.346% / °C
Temperature Coefficient (Isc)	0.065% / °C
Normal Operating Cell Temperature	45.3 ± 2 °C

PHYSICAL CHARACTERISTICS Unit: mm (inch)



ELECTRICAL CHARACTERISTICS



Manufacturer:

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