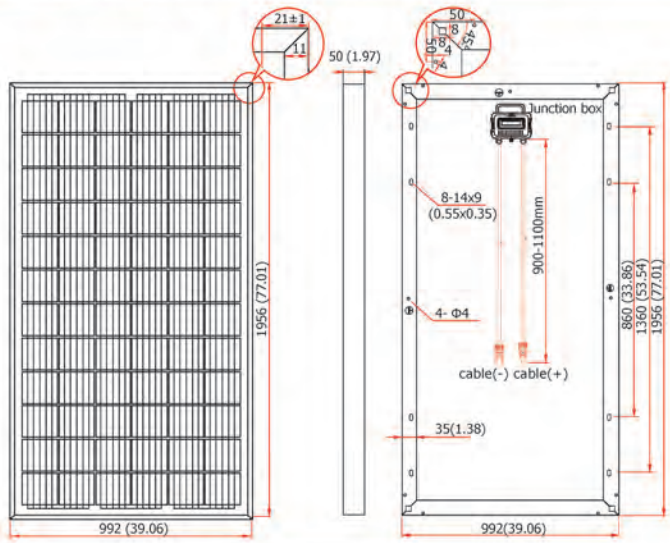
POLYCRYSTALLINE

MODULE 285W - 330W

SOLAR MODULE:
SDP-285, SDP-290, SDP-300, SDP-305, SDP-310,
SDP-315, SDP-320, SDP-325, SDP-330

PHYSICAL CHARACTERISTICS Unit: mm (inch)



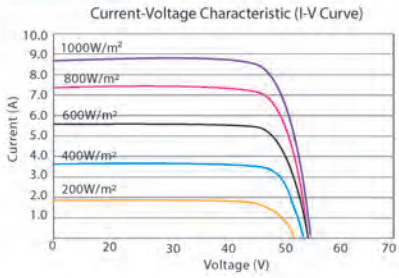
ELECTRICAL SPECIFICATIONS

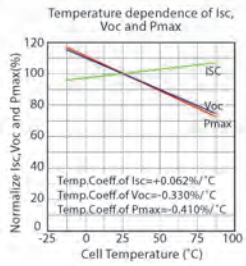
Model Type	SDP-285	SDP-290	SDP-295	SDP-300	SDP-305	SDP-310	SDP-315	SDP-320	SDP-325	SDP-330
Nominal Maximum Power (Pmax)	285W	290W	295W	300W	305W	310W	315W	320W	325W	330W
Optimum Operating Voltage (Vmp)	36.10V	36.30V	36.70V	37.08V	37.44V	37.94V	38.23V	38.60V	38.70V	38.80V
Optimum Operating Current (Imp)	7.90A	8.00A	8.04A	8.10A	8.15A	8.18A	8.24A	8.30A	8.40A	8.51A
Open Circuit Voltage (Voc)	43.30V	43.50V	43.90V	44.35V	44.71V	45.07V	45.43V	45.72V	45.72V	45.80V
Short Circuit Current (Isc)	8.45A	8.55A	8.60A	8.65A	8.70A	8.72A	8.78A	8.84A	8.88A	9.00A
Module Efficiency	14.77%	15.00%	15.28%	15.54%	15.80%	16.00%	16.30%	16.58%	16.70%	17.00%
Cell Efficiency	16.30%	16.55%	16.80%	17.10%	17.40%	17.70%	18.00%	18.30%	18.50%	18.80%
Power Tolerance	0 to +6W									
Maximum System Voltage	DC 1000V									
Operating Temperature	-40°C ~ +85°C									
Maximum Series Fuse Rating	20A									
Number of Bypass Diode	3									

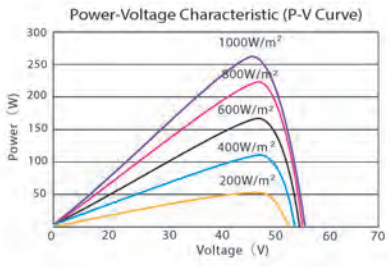
MECHANICAL DATA

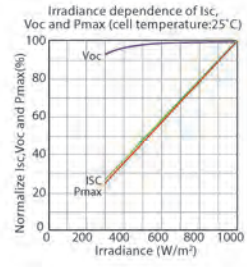
Cell Type	Poly 156mm x 156mm
Cell Arrangement	72 cells in series
Dimensions	1956 x 992 x 50 mm
Weight	22.00kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
J- Box	IP67, 3 diodes
Cable	4mm² (IEC) / 12AWG (UL), 1000mm (650mm is optional)
Connectors	MC4 or MC4 compatible

ELECTRICAL CHARACTERISTICS









TEMPERATURE CHARACTERISTICS

Temperature Coefficient (Pmax)	-0.410% / °C
Temperature Coefficient (Voc)	-0.330% / °C
Temperature Coefficient (Isc)	0.062% / °C
Norminal Operating Cell Temperature	45.3 ± 2 °C