

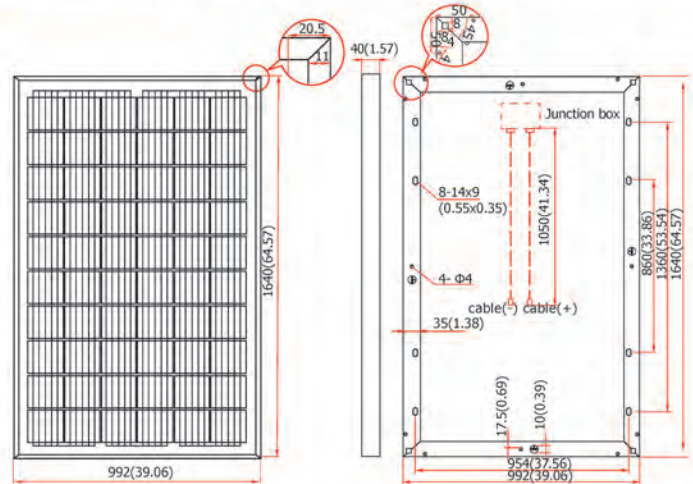
POLYCRYSTALLINE

MODULE 250W - 275W



SOLAR MODULE:
SDP-250, SDP-255, SDP-260,
SDP-265, SDP-270, SDP-275

PHYSICAL CHARACTERISTICS Unit: mm (inch)



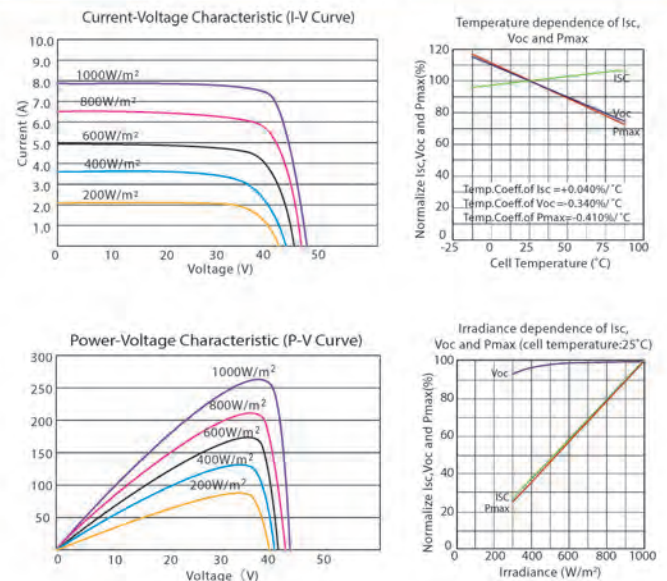
ELECTRICAL SPECIFICATIONS

Model Type	SDP-250	SDP-255	SDP-260	SDP-265	SDP-270	SDP-275
Nominal Maximum Power (P _{max})	250W	255W	260W	265W	270W	275W
Optimum Operating Voltage (V _{mp})	30.34V	30.74V	31.14V	31.54V	31.99V	32.99V
Optimum Operating Current (I _{mp})	8.24A	8.30A	8.35A	8.41A	8.45A	8.49A
Open Circuit Voltage (V _{oc})	37.47V	37.77V	37.88V	38.70V	39.34V	39.94V
Short Circuit Current (I _{sc})	8.76A	8.78A	8.86A	8.91A	8.92A	8.95A
Module Efficiency	15.37%	15.70%	15.88%	16.29%	16.60%	16.90%
Cell Efficiency	17.20%	17.50%	17.80%	18.10%	18.49%	18.83%
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	156mm x 156mm
Cell Arrangement	60 cells in series
Dimensions	1640 x 992 x 40 mm
Weight	18.00kg
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

ELECTRICAL CHARACTERISTICS



TEMPERATURE CHARACTERISTICS

Temperature Coefficient (P _{max})	-0.410% / °C
Temperature Coefficient (V _{oc})	-0.340% / °C
Temperature Coefficient (I _{sc})	0.040% / °C
Norminal Operating Cell Temperature	45.3 ± 2 °C