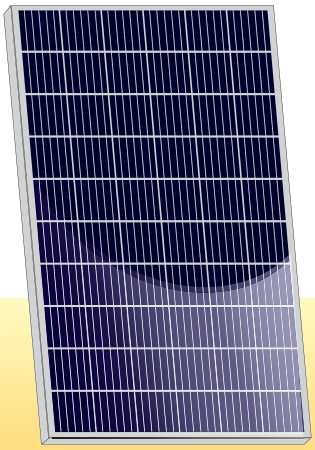
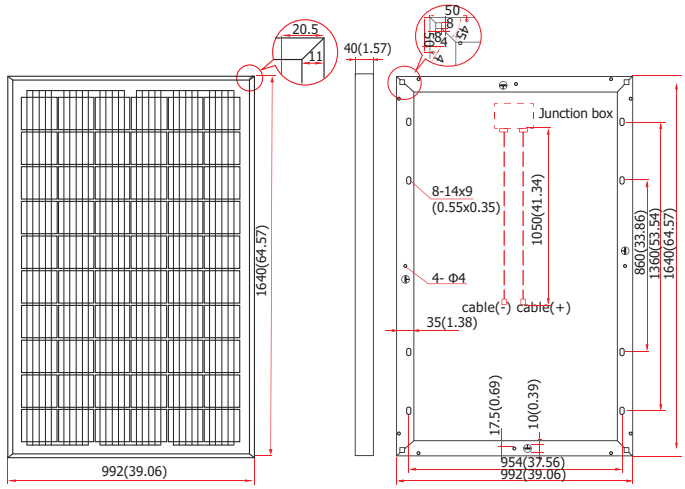
POLYCRYSTALLINE
MODULE 250W - 275W

JOOL Professional Solar



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 (Pmax)	250W	255W	260W	265W	270W	275W
Optimum Operating Voltage (Vmp)	30.34V	30.74V	31.14V	31.54V	31.99V	32.99V
Optimum Operating Current (Imp)	8.24A	8.30A	8.35A	8.41A	8.45A	8.49A
Open Circuit Voltage (Voc)	37.47V	37.77V	37.88V	38.70V	39.34V	39.94V
Short Circuit Current (Isc)	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					

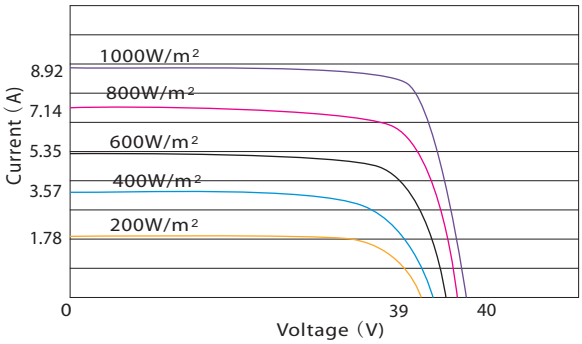
MECHANICAL DATA

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

(SDP-270)

Current-Voltage Characteristic (I-V Curve)



TEMPERATURE CHARACTERISTICS

Temperature Coefficient (Pmax)	-0.410% / ˚C
Temperature Coefficient (Voc)	-0.340% / ˚C
Temperature Coefficient (Isc)	0.040% / ˚C
Norminal Operating Cell Temperature	45.3 ± 2 ˚C

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