

SDHYPER

"Make Difference, Make Better."

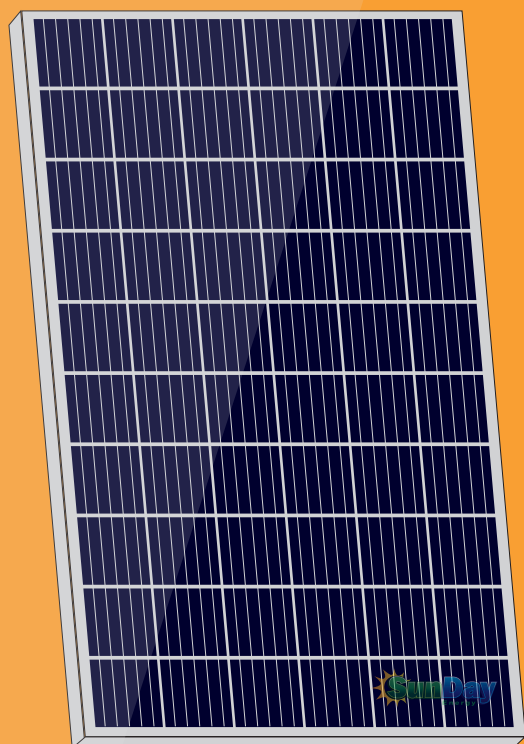
POLY

250-280w

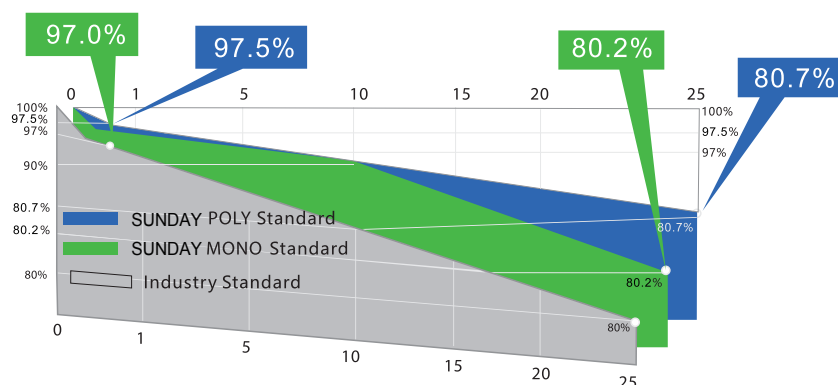
Sunday Energy 5BB Poly Modules

Assembled with the advanced 5busbar-cell technology offer advantages of higher power output, reduced series resistance loss and lower risk of hotspot. In order to meet the customers' requirements of best quality and efficiency.

60 cells



LINEAR PERFORMANCE WARRANTY



5BB 5BB cell design
Smaller electric current, less CTM loss
Lower risk of hot spot



ISO9001:2015&ISO14001
management systems



IEC IEC61215 & IEC61730
standard quality



Wind load up to 3800Pa
Snow load up to 5400Pa



+6W 0-6W positive power sorting



Stable performance under
weaklight conditions



25-year power warranty
10-year product warranty



PICC RoHS

POLY 250W-280W 60 cells

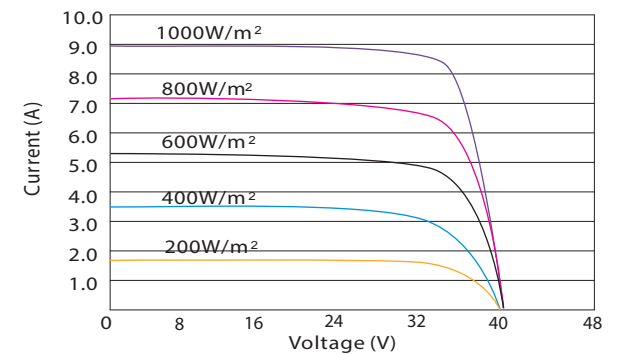
ELECTRICAL PARAMETERS

Model Type	SDP-250	SDP-255	SDP-260	SDP-265	SDP-270	SDP-275	SDP-280
Nominal Maximum Power (Pmax)	250W	255W	260W	265W	270W	275W	280W
Optimum Operating Voltage (Vmp)	30.34V	30.74V	31.14V	31.54V	31.99V	32.99V	32.45V
Optimum Operating Current (Imp)	8.24A	8.30A	8.35A	8.41A	8.45A	8.49A	8.63A
Open Circuit Voltage (Voc)	37.47V	37.77V	37.88V	38.70V	39.34V	39.94V	39.94V
Short Circuit Current (Isc)	8.76A	8.78A	8.86A	8.91A	8.92A	8.95A	9.22A
Module Efficiency	15.37%	15.70%	15.88%	16.29%	16.60%	16.90%	17.21%
Power Tolerance	0 to +6W						
Maximum System Voltage	DC 1500V						
Operating Temperature	-40 °C ~ +85 °C						
Maximum Series Fuse Rating	30A						
Number of Bypass Diode	3						

ELECTRICAL CHARACTERISTICS

(SDP-280)

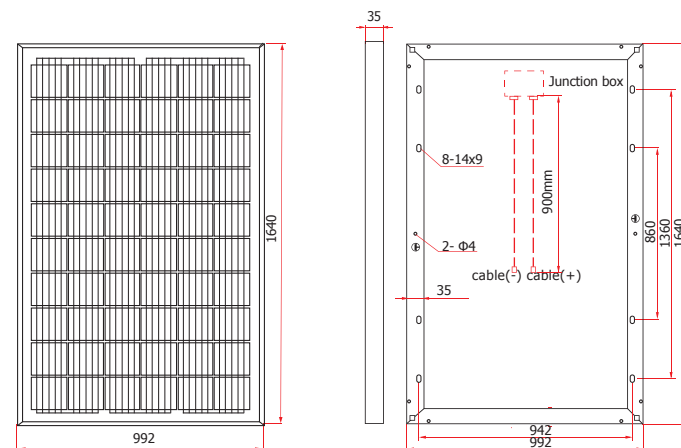
Current-Voltage Characteristic (I-V Curve)



MECHANICAL DATA

Cell Type	156.75mm x 156.75mm
Cell Arrangement	60 cells in series
Dimensions	1640 x 992 x 35 mm
weight	18.00kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP67/IP68, 3 diodes
Cable	4mm² (IEC) / 12AWG (UL), 900mm (650mm is optional)
Connectors	MC4 or MC4 compatible

PHYSICAL CHARACTERISTICS Unit: mm (inch)



TEMPERATURE CHARACTERISTICS

Temperature Coefficient (Pmax)	-0.380% / °C
Temperature Coefficient (Voc)	-0.310% / °C
Temperature Coefficient (Isc)	0.05% / °C
Norminal operatigCell Temperatue	45.3 ± 2 °C

Note: Due to continuous technical innovation, R&D and creation, technical data above mentioned may be of modification timely, Sunday Energy has the own right to make such modification at anytime without furture notice.

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