

SDHYPER

"Make Difference, Make Better."

POLY

150-175w

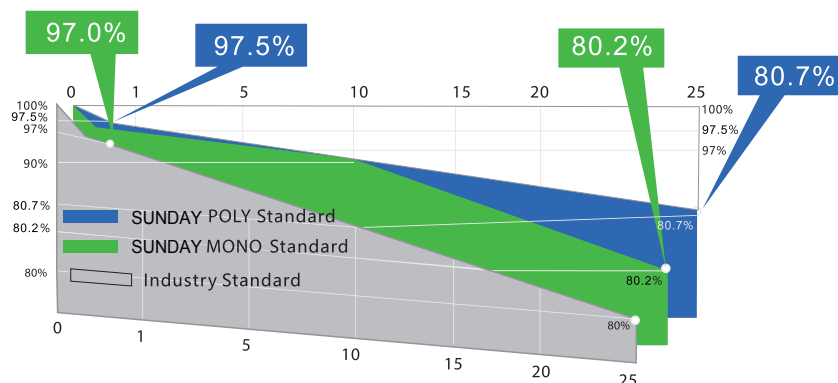
Sunday Energy 5BB Poly Modules

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.

36 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
weak light conditions



25-year power warranty
10-year product warranty



PICC RoHS

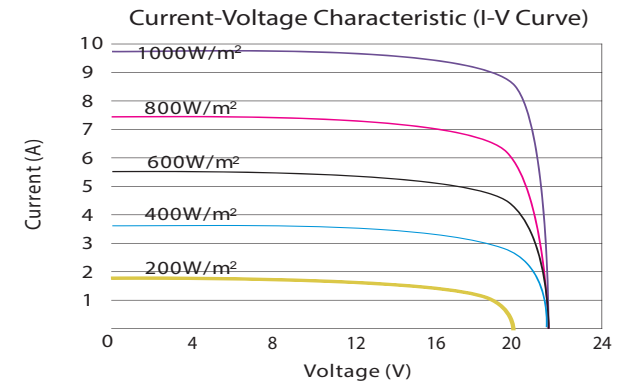
POLY 150W-175W 36 cells

ELECTRICAL PARAMETERS

Model Type	SDP-150	SDP-160	SDP-165	SDP-170	SDP-175
Nominal Maximum Power (Pmax)	150W	160W	165W	170W	175W
Optimum Operating Voltage (Vmp)	17.80V	18.00V	18.13V	18.21V	18.33V
Optimum Operating Current (Imp)	8.43A	8.89A	9.10A	9.34A	9.55A
Open Circuit Voltage (Voc)	21.96V	22.12V	22.38V	22.49V	22.61V
Short Circuit Current (Isc)	8.65A	9.27A	9.45A	9.69A	9.85A
Module Efficiency	14.50%	16.00%	16.50%	16.99%	17.49%
Power Tolerance	0 to +6W				
Maximum System Voltage	DC 1500V				
Operating Temperature	-40 C ~+85 C				
Maximum Series Fuse Rating	15A				
Number of Bypass Diode	2				

ELECTRICAL CHARACTERISTICS

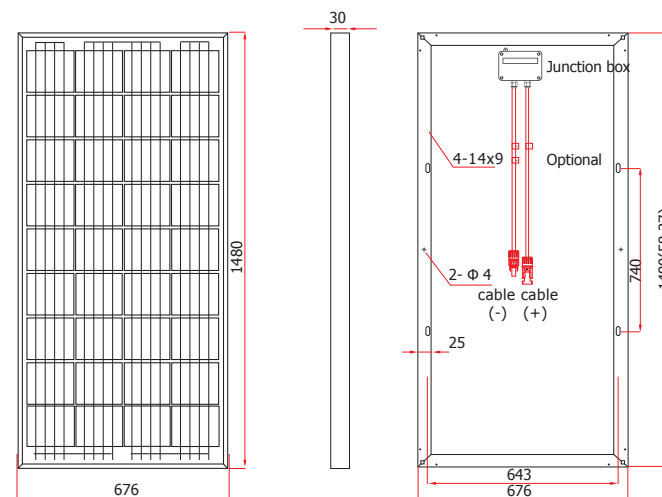
(SDP-175)



MECHANICAL DATA

Cell Type	156.75mm x 156.75mm
Cell Arrangement	36 cells in series
Dimensions	1480 x 676 x 30 mm
weight	11.18kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP65, 2 diodes
Cable	2.5mm² (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
Normal operating Cell Temperature	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 future notice.

CHANGZHOU SUNDAY ENERGY CO., LTD.

Tel: +86 0519 6808 1230 Fax: +86 0519 6808 1233

Email: sales@sundayenergy.cn

Website: www.sundayenergy.cn

