

SDHYPER

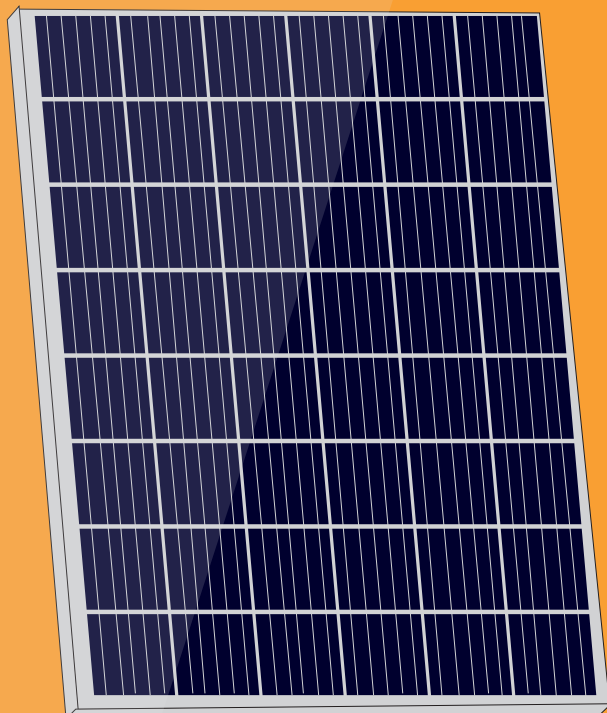
"Make Difference, Make Better."

POLY 180-220w

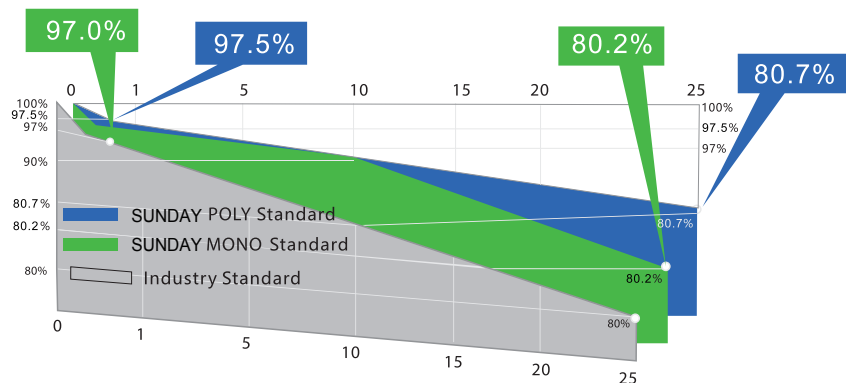
Sunday Energy 5BB Poly Modules

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.

48 cells



LINEAR PERFORMANCE WARRANTY



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



ISO9001:2015&ISO14001
management systems



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 180W-220W 48 cells

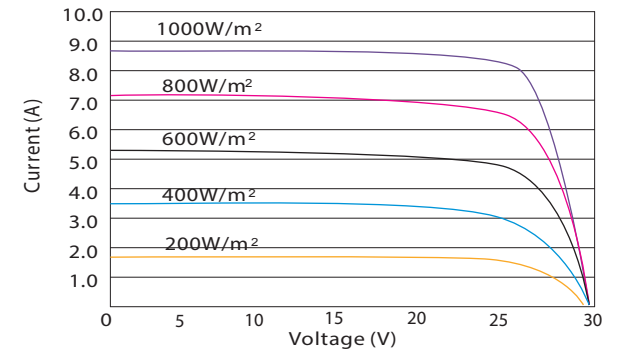
ELECTRICAL PARAMETERS

Model Type	SDP-180	SDP-190	SDP-200	SDP-205	SDP-210	SDP-215	SDP-220
Nominal Maximum Power (Pmax)	180W	190W	200W	205W	210W	215W	220W
Optimum Operating Voltage (Vmp)	23.45V	23.60V	23.80V	23.92V	24.01V	24.10V	24.21V
Optimum Operating Current (Imp)	7.68A	8.05A	8.41A	8.57A	8.75A	8.92A	9.09A
Open Circuit Voltage (Voc)	28.89V	29.13V	29.37V	29.54V	29.66V	29.77V	29.87V
Short Circuit Current (Isc)	7.98A	8.36A	8.73A	8.89A	9.07A	9.25A	9.44A
Module Efficiency	13.74%	14.51%	15.37%	15.71%	16.10%	16.48%	16.86%
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-220)

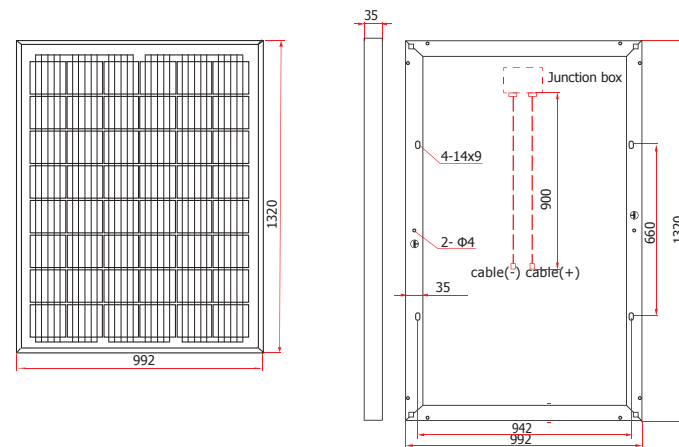
Current-Voltage Characteristic (I-V Curve)



MECHANICAL DATA

Cell Type	156.75mm x 156.75mm
Cell Arrangement	48 cells in series
Dimensions	1320 x 992 x 35 mm
weight	16.10kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP67/IP68, 3 diodes
Cable	4mm ² (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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