

SDHYPER

"Make Difference, Make Better."

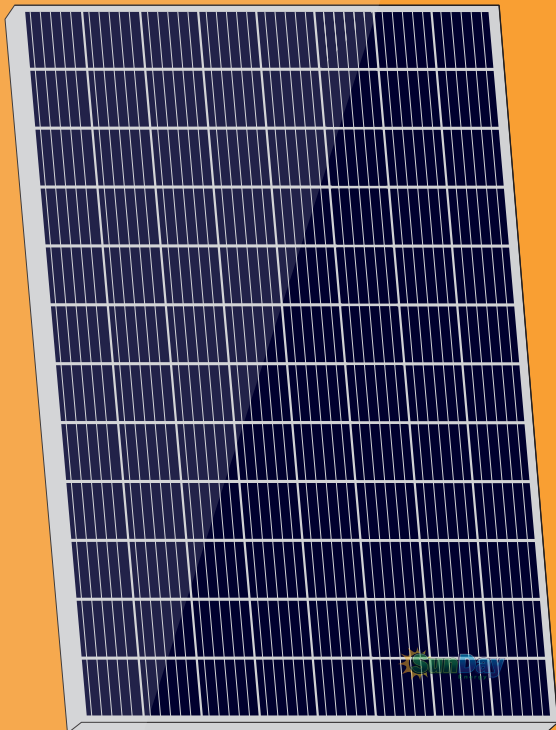
POLY

420-460w

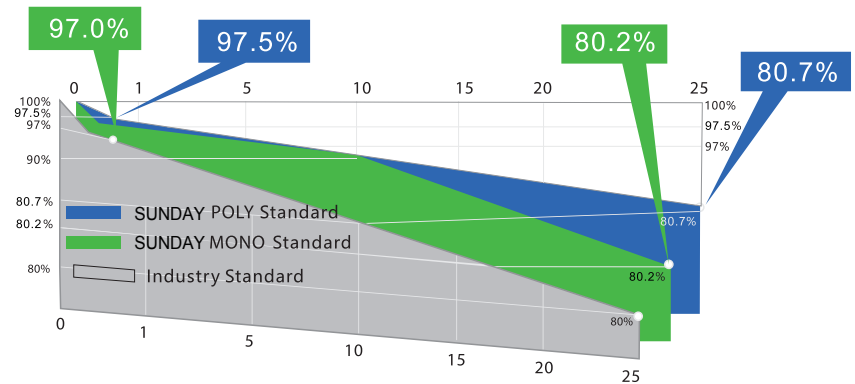
Sunday Energy 5BB Poly Modules

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.

96 cells



LINEAR PERFORMANCE WARRANTY



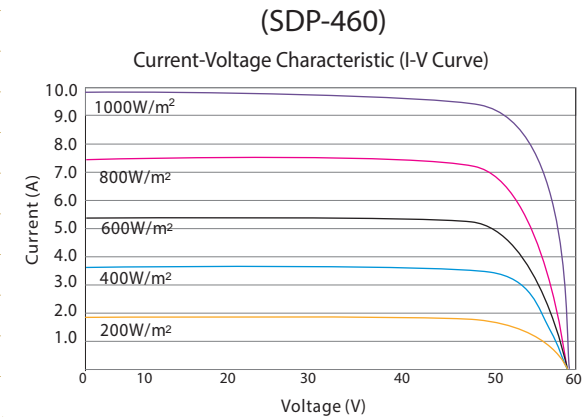
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5BB 5BB cell design
Smaller electric current, less CTM loss
Lower risk of hot spot
- 
ISO9001:2015&ISO14001 management systems
- 
IEC IEC61215 & IEC61730 standard quality
- 
Wind load up to 3800Pa
Snow load up to 5400Pa
- 
+6W 0-6W positive power sorting
- 
Stable performance under weaklight conditions
- 
10-year 25-year 25-year power warranty
10-year product warranty

POLY 420W-460W 96 cells

ELECTRICAL PARAMETERS

Model Type	SDP-420	SDP-425	SDP-430	SDP-435	SDP-440	SDP-445	SDP-450	SDP-455	SDP-460
Nominal Maximum Power (Pmax)	420W	425W	430W	435W	440W	445W	450W	455W	460W
Optimum Operating Voltage (Vmp)	47.98V	48.03V	48.08V	48.13V	48.18V	48.18V	48.25V	48.25V	48.38V
Optimum Operating Current (Imp)	8.76A	8.85A	8.95A	9.04A	9.13A	9.24A	9.33A	9.43A	9.51A
Open Circuit Voltage (Voc)	58.73V	58.83V	58.89V	58.93V	58.98V	58.98V	59.13V	59.13V	59.27V
Short Circuit Current (Isc)	9.16A	9.26A	9.36A	9.46A	9.56A	9.67A	9.75A	9.86A	9.65A
Module Efficiency	16.39%	16.58%	16.78%	16.97%	17.17%	19.37%	17.56%	17.76%	17.95%
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	4								

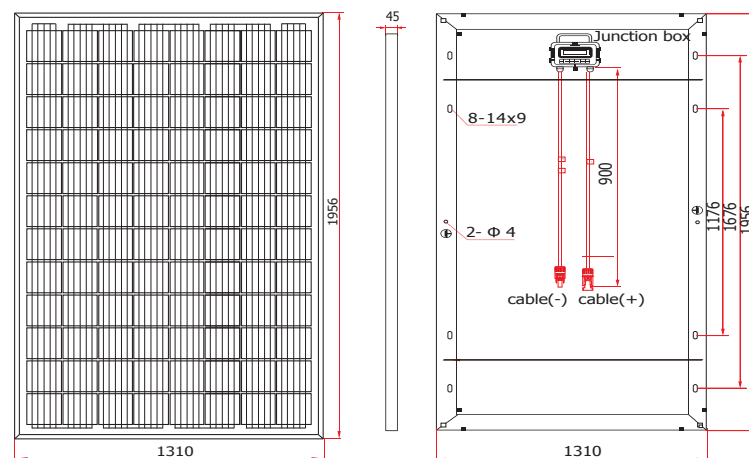
ELECTRICAL CHARACTERISTICS



MECHANICAL DATA

Cell Type	156.75mm x 156.75mm
Cell Arrangement	96 cells in series
Dimensions	1956 x 1310 x 45 mm
weight	26.00kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP67/IP68, 4 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 future notice.

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