

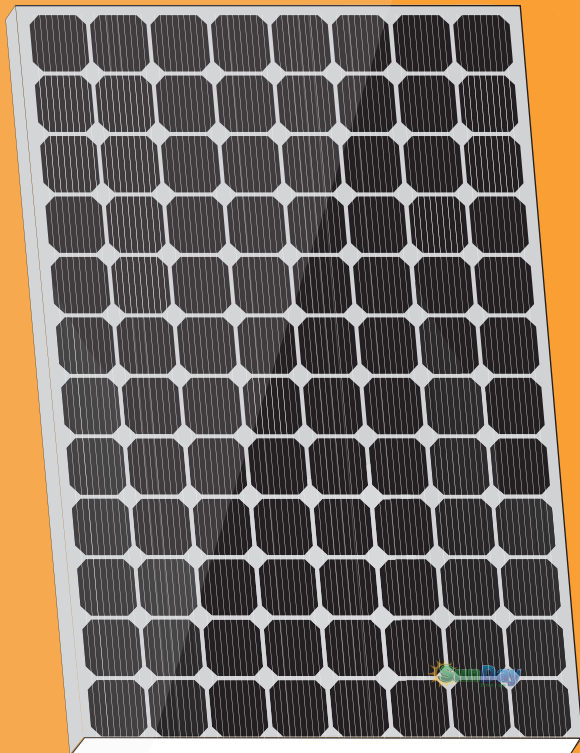
SDHYPER

"Make Difference, Make Better."

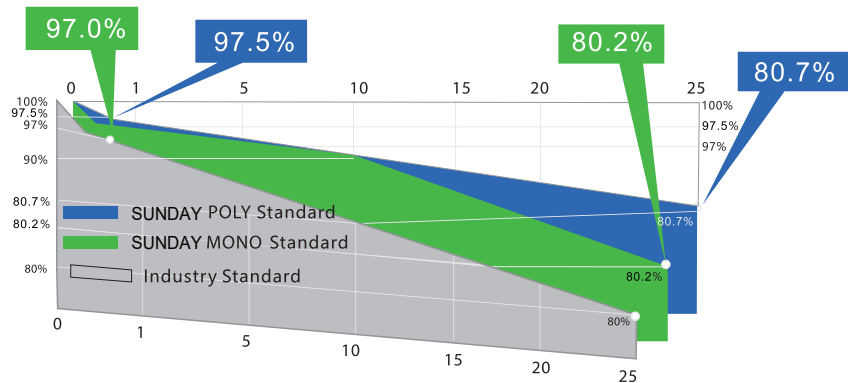
MONO 500-530w

Sunday Energy 9BB Mono Modules
Assembled with the advanced 9busbar-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.

9BB cells



LINEAR PERFORMANCE WARRANTY



- 
9BB 9BB 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

MONO 500W-530W 9BB cells

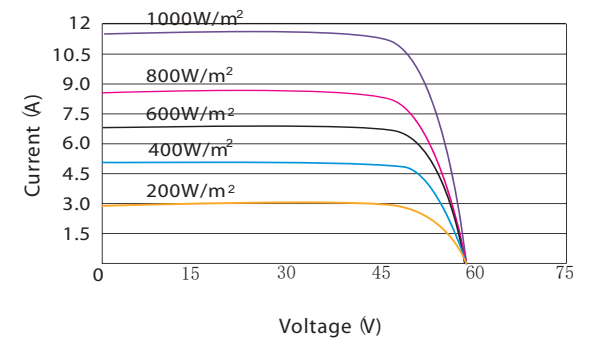
ELECTRICAL PARAMETERS

Model Type	SDM-500	SDM-510	SDM-520	SDM-530
Nominal Maximum Power (Pmax)	500W	510W	520W	530W
Optimum Operating Voltage (Vmp)	48.63V	48.64V	48.75V	48.86V
Optimum Operating Current (Imp)	10.28A	10.49A	10.67A	10.85A
Open Circuit Voltage (Voc)	58.95V	59.19V	59.31V	59.46V
Short Circuit Current (Isc)	10.87A	10.91A	11.09A	11.28A
Module Efficiency	19.51%	19.90%	20.29%	20.68%
Power Tolerance		0 to +6W		
Maximum System Voltage		DC 1500V		
Operating Temperature		-40C~+85 C		
Maximum Series Fuse Rating		30A		
Number of Bypass Diode		4		

ELECTRICAL CHARACTERISTICS

(SDM-530)

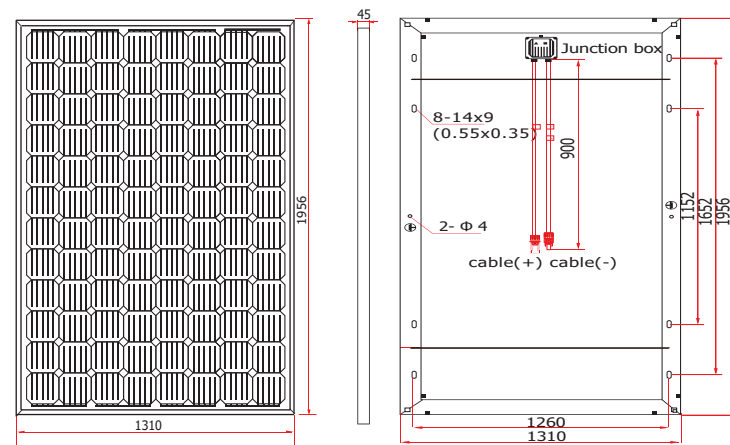
Current-Voltage Characteristic (I-V Curve)



MECHANICAL DATA

Cell Type	156.75mm x 156.75mm
Cell Arrangement	96 cells in series
Dimensions	1956 x 1310 x 45 mm (With bar fixed in the middle)
weight	28kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP67/IP68, 4 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)	-0.370% /°C
Temperature Coefficient (Voc)	-0.290% /°C
Temperature Coefficient (Isc)	0.05% /°C
Normal operating Cell Temperature	45.3 ± °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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