

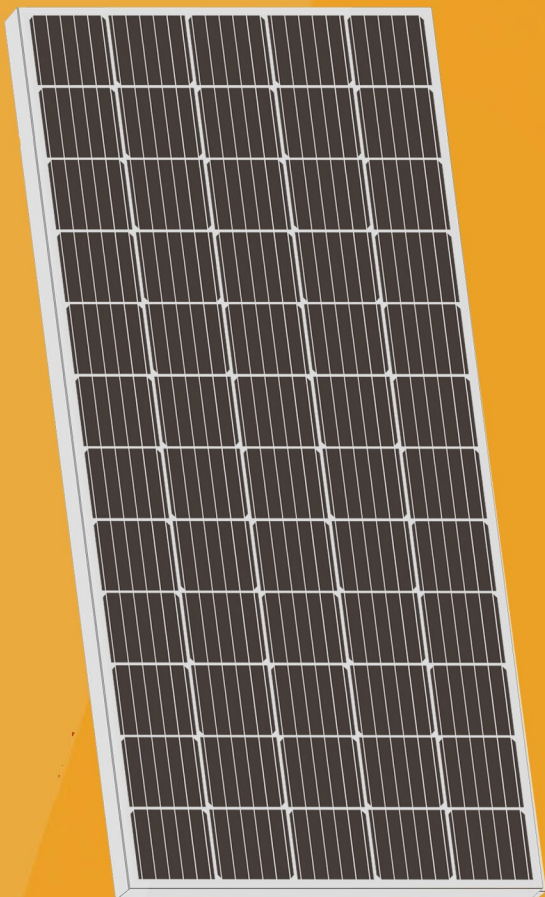
SDHYPER

"Make Difference, Make Better."

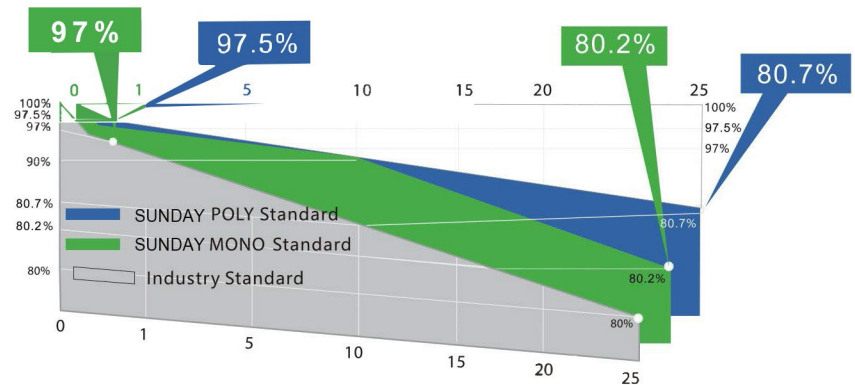
MONO 310-330 W

Sunday Energy 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.



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 310W-330W 60 cells

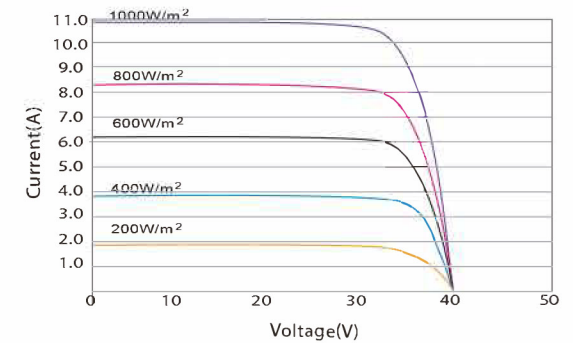
ELECTRICAL PARAMETERS

Model Type	SDM-310	SDM-315	SDM-320	SDM-325	SDM-330
Nominal Maximum Power (Pmax)	310w	315w	320w	325w	330w
Optimum Operating Voltage (Vmp)	36.13V	36.25V	36.45V	36.6V	36.83V
Optimum Operating Current (Imp)	8.58A	8.69A	8.78A	8.88A	8.96A
Open Circuit Voltage (Voc)	43.36V	43.50V	43.74V	43.92V	44.2V
Short Circuit Current (Isc)	9.26A	9.39A	9.48A	9.59A	9.7A
Module Efficiency	21.9%	22.3%	22.6%	23.0%	23.3%
Power Tolerance	0 to + 5W				
Maximum System Voltage	DC 1500V				
Operating Temperature	-40 C ~+85 C				
Maximum Series Fuse Rating	20A				
Number of Bypass Diode	3				

ELECTRICAL CHARACTERISTICS

(SDM-330)

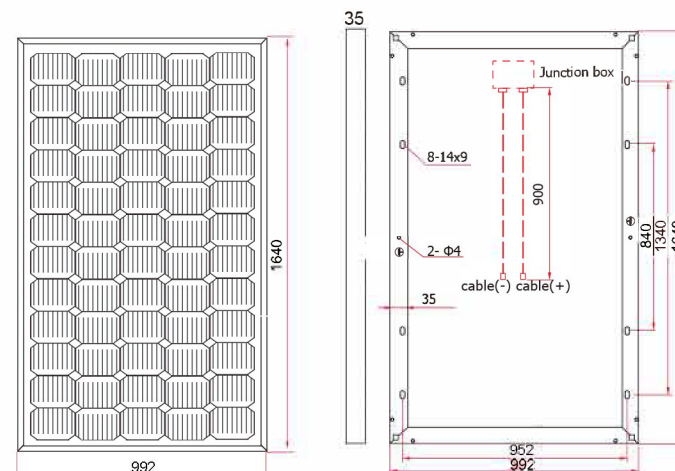
Current-Voltage Characteristic (I-V Curve)



MECHANICAL DATA

Cell Type	182mm x 130mm
Cell Arrangement	60 cells in series
Dimensions	1640 x 992 x 35 mm
weight	18kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	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)	-0.370% / °C
Temperature Coefficient (Voc)	-0.290% / °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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