

SDHYPER

"Make Difference, Make Better."

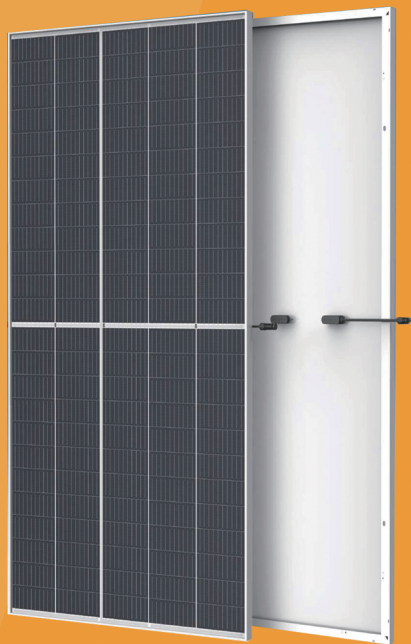
MONO

385-405 W

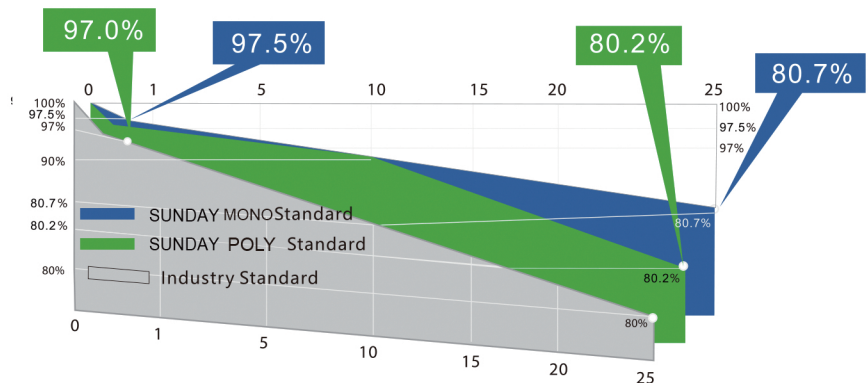
Sunday Energy Mono Half Modules

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.

210 cells



LINEAR PERFORMANCE WARRANTY



- 
210 210 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

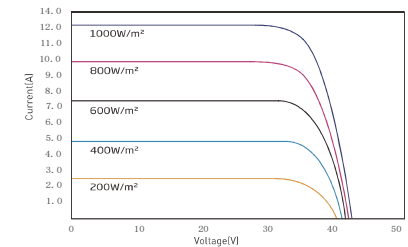
MONO 385-405W 120 Half

ELECTRICAL PARAMETERS

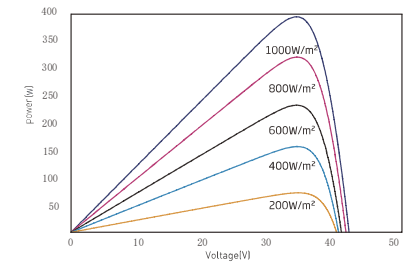
Model Type	SDM12-120H-385	SDM12-120H-390	SDM12-120H-395	SDM12-120H-400	SDM12-120H-405
Nominal Maximum Power (Pmax)	385W	390W	395W	400W	405W
Optimum Operating Voltage (Vmp)	33.60V	33.80V	34.00V	34.20V	34.40V
Optimum Operating Current (Imp)	11.47A	11.54A	11.62A	11.70A	11.77A
Open Circuit Voltage (Voc)	40.60V	40.80V	41.00V	41.20V	41.40V
Short Circuit Current (Isc)	12.08A	12.14A	12.21A	12.28A	12.34A
Module Efficiency	20.0%	20.3%	20.5%	20.8%	21.1%
Power Tolerance	0 to + 6W				
Maximum System Voltage	DC 1500V				
Operating Temperature	-40C ~+85 C				
Maximum Series Fuse Rating	30A				
Number of Bypass Diode	3				

ELECTRICAL CHARACTERISTICS

I-V Curve at Different Temperature (395W)



P-V Curve at Different Irradiation (395W)



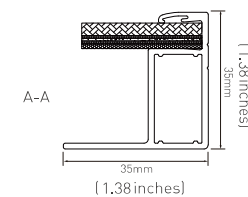
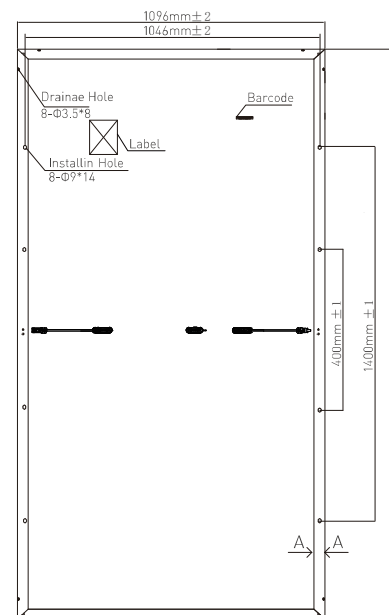
MECHANICAL DATA

Cell Type	210mm x 70mm (5*24)
Cell Arrangement	120 cells in series
Dimensions	1754 x 1096 x 35 mm
weight	21.0kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP68, 3 diodes
Cable	4mm ² (IEC) / 12AWG (UL), 300mm
Connectors	MC4 or MC4 compatible

TEMPERATURE CHARACTERISTICS

Temperature Coefficient (Pmax)	-0.350% /°C
Temperature Coefficient (Voc)	-0.270% /°C
Temperature Coefficient (Isc)	0.048% /°C
Norminal operatigCell Temperatue	44 ± 2 °C

PHYSICAL CHARACTERISTICS Unit: mm (inch)



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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