

SDHYPER

“Make Difference, Make Better.”

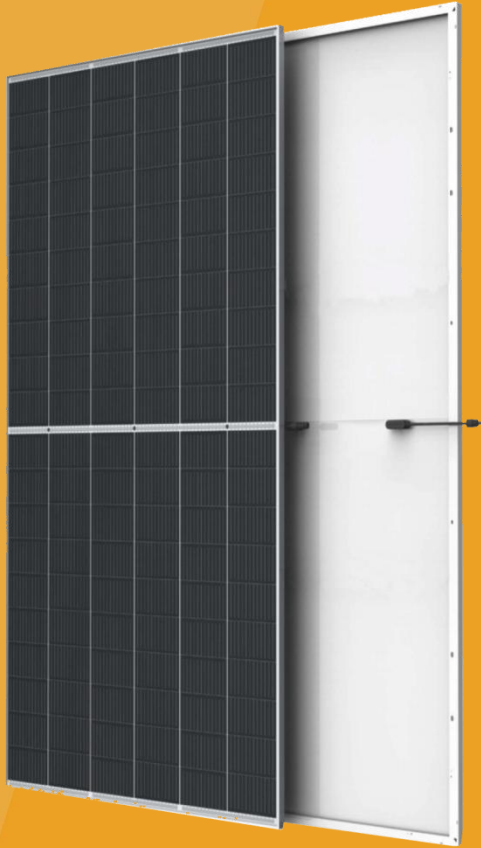
MONO

585-605w

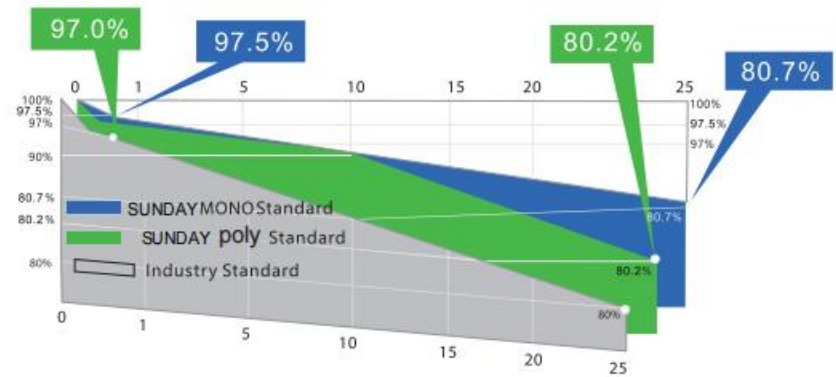
Sunday Energy Mono Half Modules

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".

SD-M12/120H



LINEAR PERFORMANCE WARRANTY



12BB

12BB cell design
Smaller electric current, less CTM loss
Lower risk of hot spot



ISO9001:2015 QMS
ISO14001:2015 EMS



IEC61215&IEC61730
standard quality



Wind load up to 3800Pa
Snow load up to 5400Pa



0-5W positive power sorting



Stable performance under
weak light conditions



25-year power warranty
12-year product warranty

MONO 585-605w SD-M12/120H

ELECTRICAL PARAMETERS

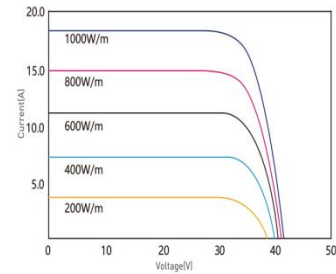
	SD-585M		SD-590M		SD-595M		SD-600M		SD-605M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	585W	443W	590W	447W	595	451W	600	454W	605W	458W
Open Circuit Voltage (Voc)	40.9V	38.5V	41.1V	38.7V	41.3V	38.9V	41.5V	39.1V	41.7V	39.3V
Short Circuit Current (Isc)	18.37A	14.81A	18.42A	14.85A	18.47A	14.88A	18.52A	14.92A	18.57A	14.96A
Voltage at Maximum Power (Vmp)	33.8V	31.5V	34.0V	31.7	34.2V	31.9V	34.4V	32.0V	34.6V	32.2V
Current at Maximum Power (Imp)	17.31A	14.05A	17.35A	14.09A	17.40A	14.13A	17.44A	14.18A	17.49A	14.22A
Module Efficiency(%)	20.7%		20.9%		21.0%		21.2%		21.4%	

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G

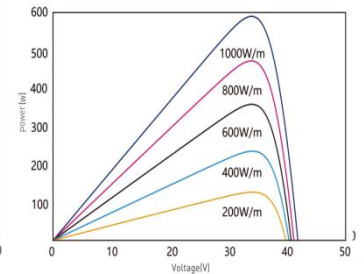
NOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1 m/s, AM1.5G

SD-605M/I-V

I-V Curve at Different Temperature (595W)



P-V Curve at Different Irradiation (595W)



Operating Module Temperature	-40°C + 85°C
Maximum System Voltage	1500V DC-(H)
Maximum Series Fuse Rating	25A
Power Tolerance	0/+5W

Temperature Characteristics

Nominal Operating Cell Temperature(Noct)	43 ± 2°C
Temperature Coefficient of Pmax	-0.340%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Isc	+0.040%/°C

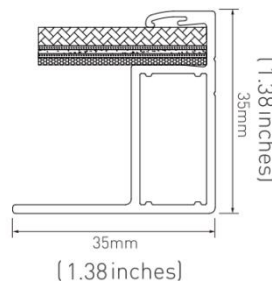
Packing Configuration

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	10	18
Pieces per container	310	558

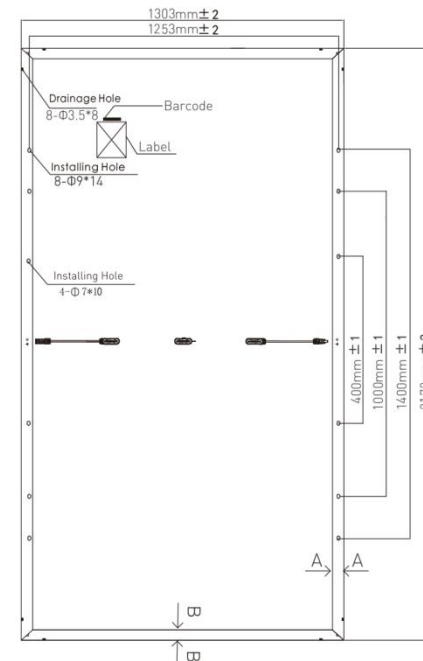
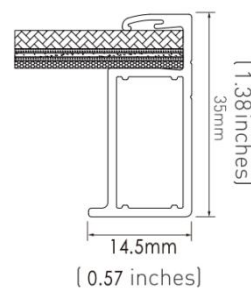
Packing Configuration

Solar Cell	210x105mm
No. of Cell	120(6x20)
Dimensions	2172x1303x35mm
Weight	30.7kg
Front	3.2mm coated tempered glass
Frame	Silver, anodized aluminium alloy
Junction Box	Ip68 rated
	4.0mm ²
Output Cables	300mm(+)/300mm(-)
	Length can be customized
Connectors	MC compatible
Mechanical load test	5400Pa

A-A



B-B



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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