

SDHYPER

"Make Difference, Make Better."

MONO

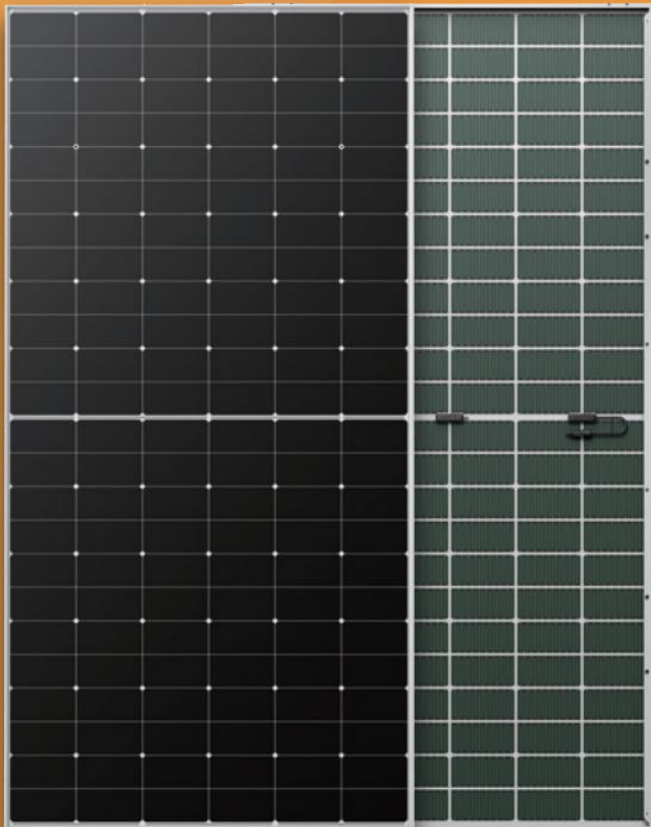
585-605w

Sunday Energy Mono Half Modules

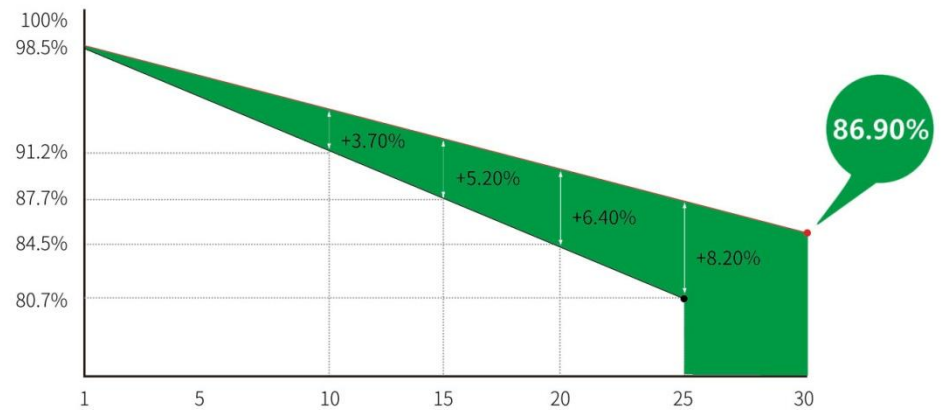
In order to meet the customers' requirements of best quality and efficiency, Sunday Energy assembled with the advanced HPBC-cell technology, advantages of higher power output, reduced series resistance loss and lower risk of hotspot.

144 cells

SD5-72HTH



30-Year Power Warranty



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 144 cells

ELECTRICAL PARAMETERS

	SD-585M	SD-590M	SD-595M	SD-600M	SD-605M
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	STC NOCT	STC NOCT	STC NOCT	STC NOCT	STC NOCT
Maximum Power (Pmax)	585W 437W	590W 441W	595W 445W	600W 448W	605W 451W
Open Circuit Voltage (Voc)	52.36V 49.16V	52.51V 49.30V	52.66V 49.44V	52.81V 49.58V	52.96V 49.72V
Short Circuit Current (Isc)	14.27A 11.52A	14.33A 11.57A	14.40A 11.63A	14.46A 11.68A	14.52A 11.73A
Voltage at Maximum Power (Vmpp)	44.21V 40.34V	44.36V 40.48V	44.51V 40.62V	44.66V 40.75V	44.81V 40.89V
Current at Maximum Power (Impp)	13.24A 10.84A	13.31A 10.90A	13.37A 10.97A	13.44A 11.00A	13.51A 11.03A
Module Efficiency(%)	22.6%	22.8%	23.0%	23.2%	23.4%

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

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	DC 1500V (IEC/UL)
Maximum Series Fuse Rating	30A
Power Tolerance	0/+5W

Temperature Characteristics

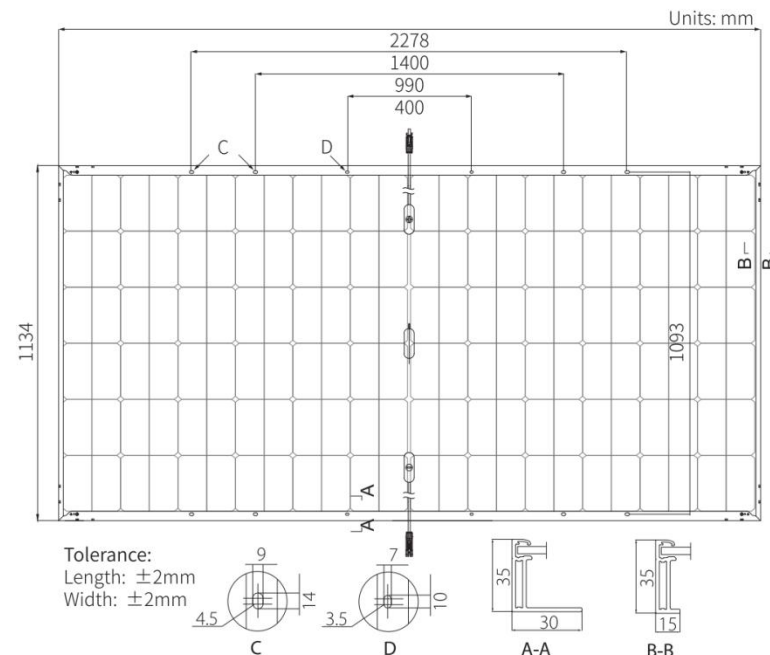
Nominal Operating Cell Temperature (Noct)	45 ± 2°C
Temperature Coefficient of Pmax	-0.290%/°C
Temperature Coefficient of Voc	-0.230%/°C
Temperature Coefficient of Isc	+0.050%/°C

Packing Configuration

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	5	20
Pieces per container	155	620

Packing Configuration

Solar Cell	Mono 182*91mm
No. of Cell	144 (6x24)
Dimensions	2278x1134x35mm
Weight	32.6kg
Front	2.0mm coated semi tempered glass
Frame	Anodized aluminum alloy frame
Junction Box	IP68, three diodes
Output Cables	4.0mm ² Length can be customized
Connectors	MC4 compatible
Mechanical load test	5400Pa



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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