

# SDHYPER

*"Make Difference, Make Better."*

## MONO

### 585-600w

*Sunday Energy Mono Half Modules*

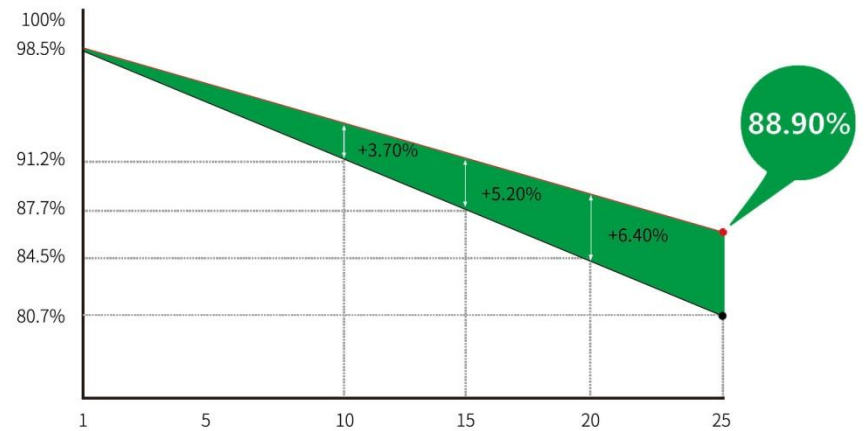
*In order to meet the customers' requirements of best quality and efficiency, Sunday Energy assembled with the advanced HPBC-cell technology, advantages of higher power output, reduced series resistance loss and lower risk of hotspot.*

## 144 cells

SD5-72HTH



25-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 585-600w 144 cells

## ELECTRICAL PARAMETERS

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

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G

NOCT: Irradiance 800W/m<sup>2</sup>, 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	25A
Power Tolerance	0/+5W

### Temperature Characteristics

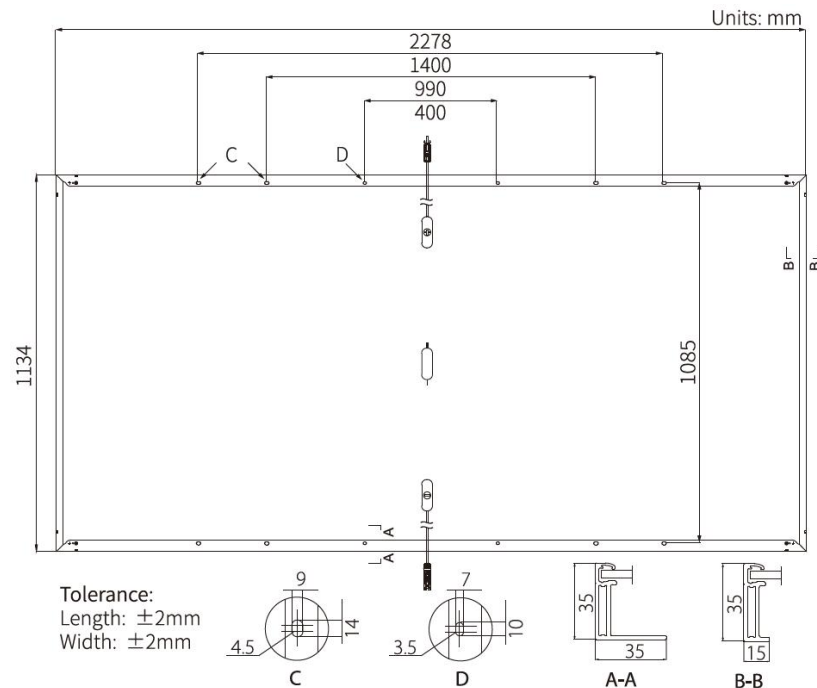
Nominal Operating Cell Temperature (Noct)	45 ± 2°C
Temperature Coefficient of Pmax	-0.290%/°C
Temperature Coefficient of Voc	-0.230%/°C
Temperature Coefficient of Isc	+0.050%/°C

### 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	27.5kg
Front	3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Junction Box	IP68, three diodes
	4.0mm <sup>2</sup>
Output Cables	+400, -200mm / ±1400mm
	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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