

SN-ODA-144MH

Mono Half cells PERC Technology

POWER RANGE

430W~460W

CELL SIZE

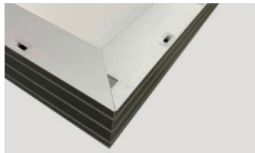
166*83mm

460 W



JUNCTION BOX

Waterproof protection grade: IP67/IP68
Safety Level: Class II
Maximum System Voltage: 1500V
outstanding waterproof level ·
Effectively resist harsh environments



Frame

Strong machanical load
resistance up to 5400Pa
Anodic oxidation layer resistant to
chemical corrosion available
in silver and black



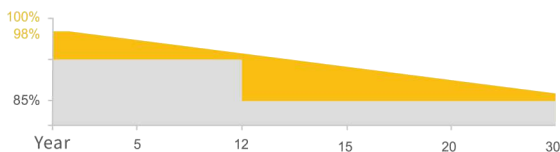
9BB

QUALIFICATIONS AND CERTIFICATES



· IEC61215 / · IEC61730

WARRANTY



12
YEARS

Guarantee on product materail and workmanship

30
YEARS

Linear Power output warranty



Half-cut Technology

New circuit design, lower internal current and
lower internal resistance loss



Significantly avoiding heat spot

The unique circuit design to reduce the temperature
of heat spot significantly, so that to reduce the power loss
and then increase the output of modules.



Lower cost

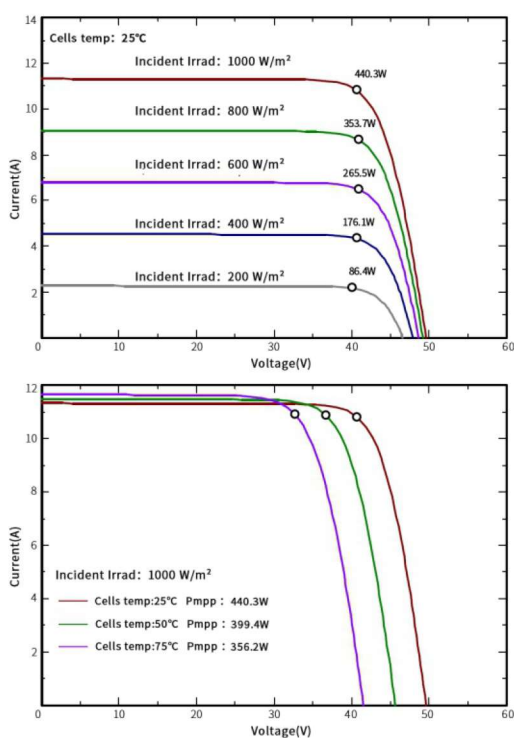
Increasing power generation can reduce the
cost per kilowatt-hour



Excellent performance of PID resistance

The performance of PID resistance (Potential Induced
Degradation) passed the standard of TUV Nord.

Unit:mm



Model Type	SN-ODA430-36V-MH	SN-ODA440-36V-MH	SN-ODA450-36V-MH	SN-ODA460-36V-MH
Peak Power(Pmax)	430.00	440.00	450.00	460.00
Maximum Power Voltage(Vmp)	40.70	41.10	41.50	41.90
Maximum Power Current(Imp)	10.57	10.71	10.85	10.99
Open Circuit Voltage(Voc)	48.50±3%	48.90±3%	49.30±3%	49.70±3%
Short Circuit Current(Isc)	11.31±3%	11.46±3%	11.60±3%	11.72±3%
Module Efficiency(%)	19.78	20.24	20.70	21.16

Model Type	SN-ODA430-36V-MH	SN-ODA440-36V-MH	SN-ODA450-36V-MH	SN-ODA460-36V-MH
Peak Power(Pmax)	321.10	328.60	336.10	343.50
Maximum Power Voltage(Vmp)	37.90	38.30	38.60	39.00
Maximum Power Current(Imp)	8.47	8.59	8.70	8.80
Open Circuit Voltage(Voc)	45.50±3%	45.80±3%	46.20±3%	46.60±3%
Short Circuit Current(Isc)	9.15±3%	9.27±3%	9.38±3%	9.48±3%

Maximum System Voltage (V)	1500 V
Maximum Series Fuse Rating (A)	20 A
Power Tolerance	0~+3 W
Pmax Temperature Coefficients (W/°C)	-0.350 %/°C
Voc Temperature Coefficients (V/°C)	-0.270 %/°C
Isc Temperature Coefficients (A/°C)	+0.048 %/°C
NOCT Nominal Operating Cell Temperature (°C)	45±2 °C
Operating and Storage Temperature (°C)	-40~+85 °C

Cell Type	166*83 Mono
No. of Cells	144 (12*12)
Dimensions	2094*1038*35mm
Weight	23.50kg
Front Glass	3.2mm high transmission, low iron, tempered glass
Frame	Anodized Aluminium Alloy
Junction box	IP67/IP68 3diodes
Output cables	4mm ² cable 35cm (Inlcuding MC4 connector)
MaxWind Load/Snow Load	2400Pa/5400Pa

20FT container	5 Packages/155pcs
40HQ container	22 Packages/726pcs