

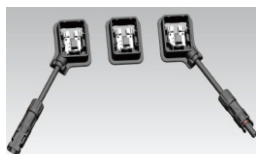
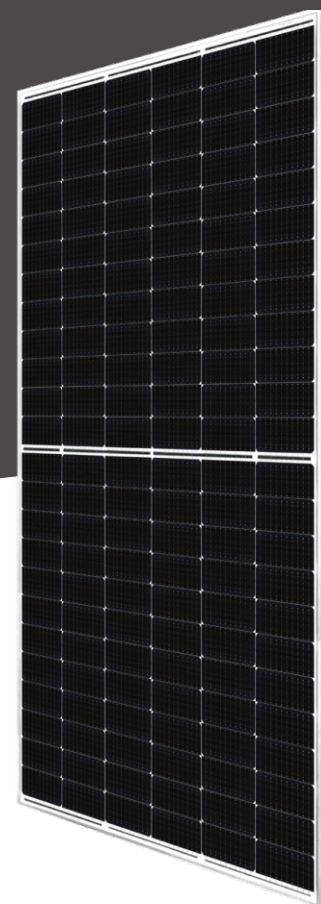
ODA-144MHT

POWER RANGE

530W~550W

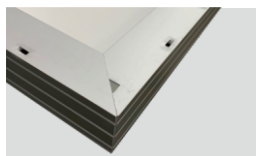
CELL SIZE

182*91mm



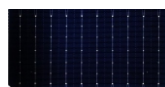
JUNCTION BOX

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



Frame

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



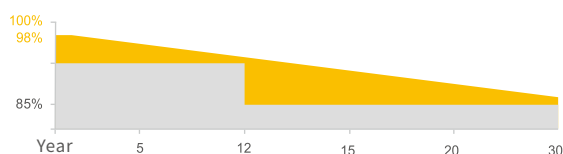
10BB

QUALIFICATIONS AND CERTIFICATES



· IEC61215 / · IEC61730

WARRANTY



12
YEARS

Guarantee on product material and workmanship

30
YEARS

Linear Power output warranty



Higher power

Double-sided power generation can significantly improve the equivalent power generation of solar panels.
Higher power of solar panels can effectively reduce system BOS cost.



Higher reliability

Suitable for areas with higher temperature and higher humidity, resistant to salt spray ammonia gas with firing rating in A.
Anti-PID performance improvement through battery process optimization and material control.



Higher generated energy

Excellent IAM and low light performance.
More power generation by lower temperature coefficient and lower operating temperature.



Easy installation

The conventional frame design makes the double-glass solar panels suitable for various mounting modes.
Easy to hold, transport and install.

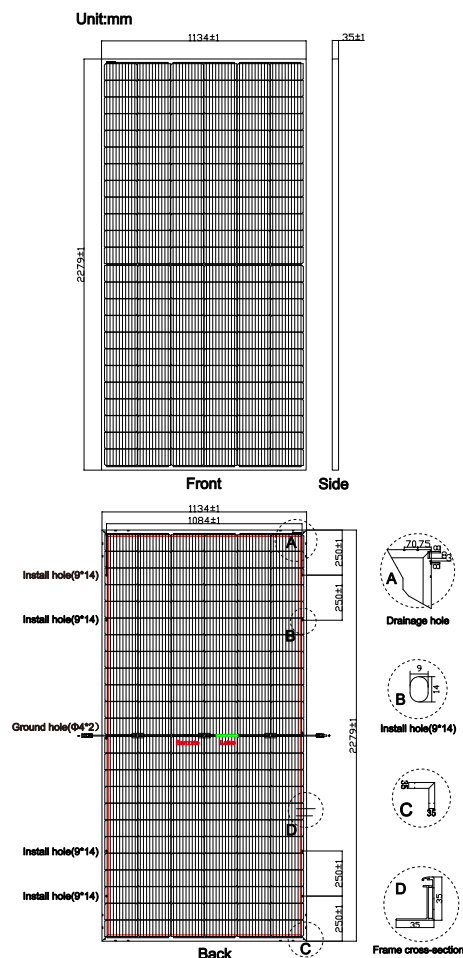
NINGBO OSDA SOLAR CO.,LTD
www.osdasol.com

OSDA Solar established in 2008, is a high-tech enterprise integrating R&D, production and sales of solar energy products. It is committed to the overall solution of distributed photovoltaic system and provides services from consulting, design, construction, financing to intelligent operation and maintenance.

OSDA has 3 production sites in China and branches and representative offices in more than 10 countries overseas. Products include solar cells, modules, On/Off grid solar system, solar pump and other solar related applications. Our products have passed many international certifications such as TUV, MCS, CEC, IEC, ISO, CE, CQC and so on. With excellent quality, our products are exported to more than 100 countries of the world.

Since its establishment, OSDA has always followed the idea of "Smart energy · Lightning future". It has followed the steps of "the Belt and Road Initiative", we bring bright light to the countries and people who are short of electricity. Sharing the concept of modern civilization, and building a green home together.

PV DRAWINGS



ELECTRICAL DATA (STC)

Model Type	ODA530-36V -MHT	ODA535-36V -MHT	ODA540-36V -MHT	ODA545-36V -MHT	ODA550-36V -MHT
Peak Power(Pmax)	530.00	535.00	540.00	545.00	550.00
Maximum Power Voltage(Vmp)	41.44	41.60	41.76	41.93	42.10
Maximum Power Current(Impp)	12.79	12.84	12.93	13.00	13.06
Open Circuit Voltage(Voc)	49.30±3%	49.50±3%	49.70±3%	49.90±3%	50.10±3%
Short Circuit Current(Isc)	13.65±3%	13.74±3%	13.83±3%	13.92±3%	14.01±3%
Module Efficiency(%)	20.50	20.70	20.89	21.08	21.28

* STC: irradiance 1000 W/m², AM 1.5, and cell temperature of 25°C

ELECTRICAL DATA (NOCT)

Model Type	ODA530-36V -MHT	ODA535-36V -MHT	ODA540-36V -MHT	ODA545-36V -MHT	ODA550-36V -MHT
Peak Power(Pmax)	394.00	397.70	401.40	405.10	408.90
Maximum Power Voltage(Vmp)	38.46	38.62	38.78	38.93	39.09
Maximum Power Current(Impp)	10.25	10.30	10.35	10.41	10.46
Open Circuit Voltage(Voc)	46.18±3%	46.36±3%	46.54±3%	46.73±3%	46.92±3%
Short Circuit Current(Isc)	10.89±3%	10.97±3%	11.05±3%	11.13±3%	11.20±3%

* NOCT: irradiance 800 W/m², AM 1.5, ambient temperature 20°C, wind speed 1 m/s

PARAMETER OF DOUBLE-SIDED POWER GENERATION (550W)

Pmax gain	Pmax/W	Vmpp/V	Impp/A	Voc/V	Isc/A
5%	578.00	42.10	13.73	50.10±3%	14.73±3%
15%	633.00	42.10	15.04	50.10±3%	16.13±3%
25%	688.00	42.10	16.35	50.10±3%	17.54±3%

TEMPERATURE & MAXIMUM RATING

Maximum System Voltage (V)	1500 V
Maximum Series Fuse Rating (A)	25 A
Power Tolerance	0~+3 W
Pmax Temperature Coefficients (W/°C)	-0.350 %/°C
Voc Temperature Coefficients (V/°C)	-0.285 %/°C
Isc Temperature Coefficients (A/°C)	+0.045 %/°C
NOCT Nominal Operating Cell Temperature (°C)	45±2 °C
Operating and Storage Temperature (°C)	-40~+85 °C

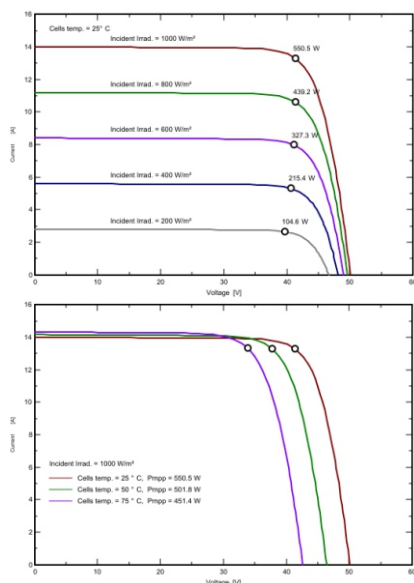
MECHANICAL CHARACTERISRTICS

Cell Type	182*91 Mono
No. of Cells	144 (12*12)
Dimensions	2279*1134*35mm
Weight	28.40kg
Front glass	3.2mm coated high-transparent tempered glass
Backsheet	Transparency
Frame	Anodized Aluminium Alloy
Junction box	IP67/IP68 3diodes
Output cables	4mm ² cable 35cm (Including MC4 connector)
MaxWind Load/Snow Load	2400Pa/5400Pa

PACKING WAY

20FT container	5 Packages/155pcs
40HQ container	20 Packages/620pcs

IV CURVE (550W)



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The company reserves the right of final interpretation, November 2020 edition