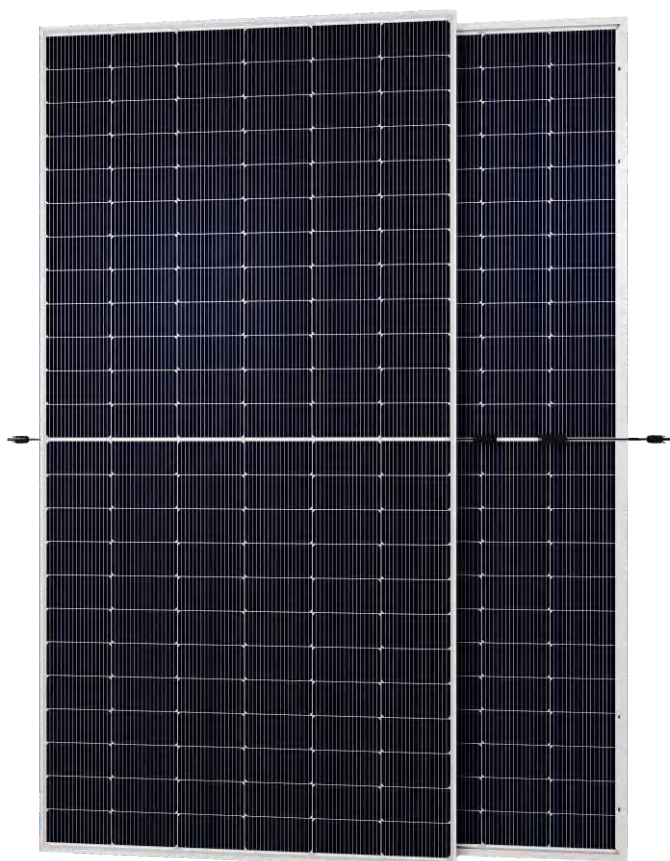


590W

N-Type Bifacial



Excellent temperature coefficient (Pmax): $-0.290\%/^{\circ}\text{C}$



Excellent low-light performance: extended power generation up to 1H or more in the morning and evening



Has lower LID/LeTID attenuation



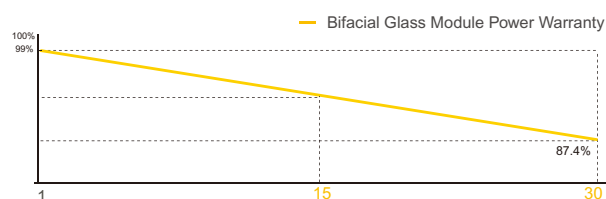
With a bifacial rate of $80\% \pm 5\%$, the bifacial power gain significantly reduces the LCOE as the backside is exposed to more light.



Guarantee



Warranty



IEC61215:2021/IEC61730:2023

IEC61701/IEC62716/IEC60068/IEC62804

ISO9001:2015(Quality management systems)

ISO14001:2015(Environmental management systems)

ISO45001:2018(Occupational health and safety)

ISO14067:2018/PAS2050:2011

SPECIFICATION (STC) Irradiance at 1000 W/m², Cell Temp 25°C, Air Mass AM1.5

MODEL TYPE	ODA585-36V-MHD	ODA590-36V-MHD	ODA595-36V-MHD	ODA600-36V-MHD	ODA605-36V-MHD
Rated Peak Power-Pmax(Wp)	585.00	590.00	595.00	600.00	605.00
Maximum Power Voltage-Vmp(V)	44.81	44.87	44.93	44.99	45.05
Maximum Power Current-Imp(A)	13.05	13.15	13.24	13.34	13.43
Open Circuit Voltage-Voc(V)	52.72±3%	52.79±3%	52.86±3%	52.93±3%	53.00±3%
Short Circuit Current-Isc(A)	13.87±3%	13.97±3%	14.07±3%	14.17±3%	14.27±3%
Module Efficiency(%)	22.65	22.84	23.03	23.23	23.42

ELECTRICAL DATA(BNPI) Irradiance at 1000 W/m², Back irradiance 135 W/m², Cell Temp 25°C,Air Mass AM1.5

Rated Peak Power-Pmax(Wp)	648.00	654.00	659.00	665.00	671.00
Maximum Power Voltage-Vmp(V)	44.95	45.01	45.07	45.13	45.19
Maximum Power Current-Imp(A)	14.42	14.53	14.63	14.74	14.84
Open Circuit Voltage-Voc(V)	52.88±3%	52.95±3%	53.02±3%	53.09±3%	53.16±3%
Short Circuit Current-Isc(A)	15.33±3%	15.44±3%	15.55±3%	15.66±3%	15.77±3%

MECHANICAL CHARACTERISTICS

Cell Type (mm)	182*91 N-Type Mono
No. Of Cells	144(12*12)
Module Dimensions(mm)	2278*1134*30
Weight	31.50 kg
Bifacial Glass Front Glass(mm)	2.0mm AR Coating Tempered Glass
Bifacial Glass Back Glass(mm)	2.0mm Glazed Glass
Frame	Anodized Aluminium Alloy(Silver)
Junction Box	IP68,1500VDC, 3 Schottky Bypass Diodes
Cables	4.0mm²,Positive(+)300mm,Negative(-)300mm, Or Customized Length
Connector	IP68
Snow Load/Wind Load	5400Pa/2400Pa
Class Of Safety Protection	Class II
IEC Component Fire Rating	Class A

OPERATING PARAMETERS

Maximum System Voltage	1500V
Operational Temp	-40~+85 °C
Max Series Fuse Rating	25A
Nominal Module Operating Temp (NMOT)	45±2°C

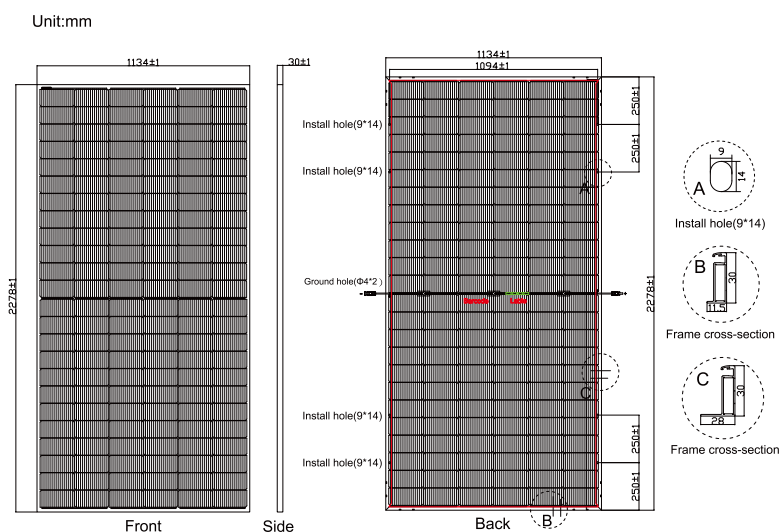
TEMP COEFFICIENT

Temp Coefficient Of Pmax	-0.290%/°C
Temp Coefficient Of Voc	-0.250%/°C
Temp Coefficient Of Isc	+0.045%/°C

PACKING STANDARD 40ft (HQ)

Number Of Modules Per Pallet	37
Number Of Pallets Per Container	20
Number Of Modules Per Container	740

ASSEMBLY DRAWING



IV CURVE (600W)

