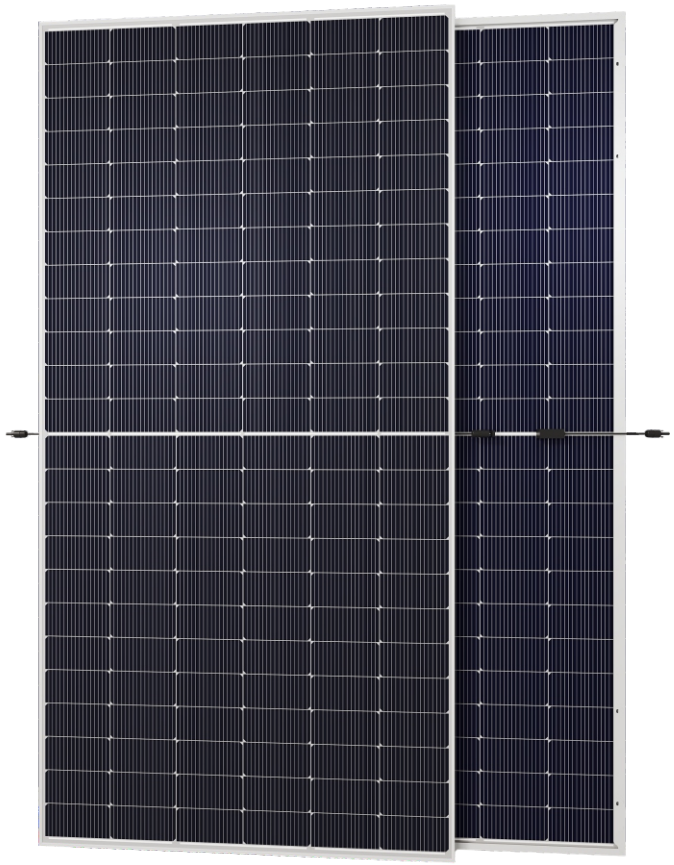
570-590W

N-Type Bifacial



EUPD RESEARCH TOP BRAND PV MODULES BRAZIL 2024

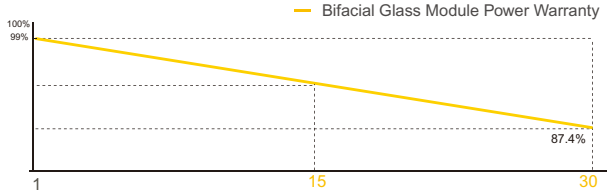
TIER 1 Bloomberg NEW ENERGY FINANCE

TOP PV Brand

- Excellent temperature coefficient (Pmax): -0.29/°C
- Excellent low-light performance: extended power generation up to 1H or so in the morning and evening
- Has lower LID/LeTID attenuation
- With a bifacial rate of 80% ± 10%, the bifacial power gain significantly reduces the LCOE as the backside is exposed to more light.

15 YEARS Guarantee

30 YEARS Warranty



EU-28 WEEE COMPLIANT

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

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Osda

GLOBAL SMART ENERGY
SOLUTION PROVIDER

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

MODEL TYPE	ODA570-36V-MHD	ODA575-36V-MHD	ODA580-36V-MHD	ODA585-36V-MHD	ODA590-36V-MHD
Rated Peak Power-Pmax(Wp)	570.00	575.00	580.00	585.00	590.00
Maximum Power Voltage-Vmp(V)	42.07	42.22	42.37	42.52	42.67
Maximum Power Current-Imp(A)	13.55	13.62	13.69	13.76	13.83
Open Circuit Voltage-Voc(V)	50.74±3%	50.88±3%	51.02±3%	51.16±3%	51.41±3%
Short Circuit Current-Isc(A)	14.31±3%	14.39±3%	14.47±3%	14.55±3%	14.63±3%
Module Efficiency(%)	22.07	22.26	22.45	22.64	22.83

ELECTRICAL DATA(NMOT) Irradiance at 800 W/m²,Ambient Temp 20°C, Wind Speed 1 m/s.

Rated Peak Power-Pmax(Wp)	429.00	433.00	437.00	441.00	445.00
Maximum Power Voltage-Vmp(V)	39.51	39.64	39.77	39.90	40.03
Maximum Power Current-Imp(A)	10.85	10.91	10.97	11.06	11.12
Open Circuit Voltage-Voc(V)	48.20±3%	48.32±3%	48.46±3%	48.59±3%	48.72±3%
Short Circuit Current-Isc(A)	11.55±3%	11.61±3%	11.68±3%	11.77±3%	11.83±3%

DOUBLE-SIDED POWER GENERATION PARAMETERS(REAR GAIN)

5%	Maximum Power(Pmax)	598.50	603.75	609.00	614.25	619.50
	Module Efficiency(%)	23.17	23.37	23.57	23.77	23.97
15%	Maximum Power(Pmax)	655.50	661.25	667.00	672.75	678.50
	Module Efficiency(%)	25.38	25.60	25.82	26.04	26.25
25%	Maximum Power(Pmax)	712.50	718.75	725.00	731.25	737.50
	Module Efficiency(%)	27.59	27.83	28.06	28.30	28.54

MECHANICAL CHARACTERISRTICS

Cell Type (mm)	182*91 N-Type Mono
No. Of Cells	144(12*12)
Module Dimensions(mm)	2278*1134*30
Weight	32 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(+)350mm,Negative(-)350mm, Or Customized Length
Connector	IP68
Snow Load/Wind Load	5400Pa/2400Pa
Class Of Safety Protection	Class Ⅱ
IEC Component Fire Rating	Class C

OPERATING PARAMETERS

Maximum System Voltage	1500V
Operational Temp	-40~+85 °C
Max Series Fuse Rating	30A
Nominal Module Operating Temp (NMOT)	45±2°C

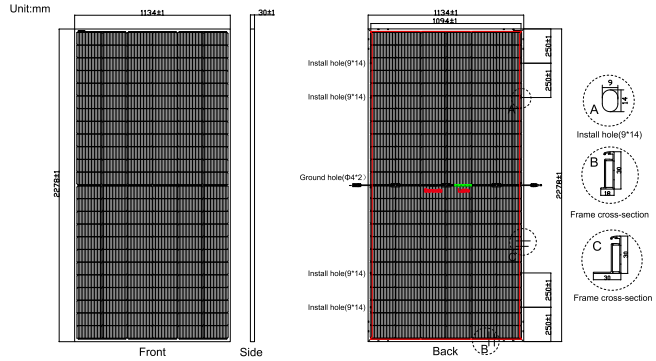
TEMP COEFFICIENT

Temp Coefficient Of Pmax	-0.290%/°C
Temp Coefficient Of Voc	-0.250%/°C
Temp Coefficient Of Isc	+0.041%/°C

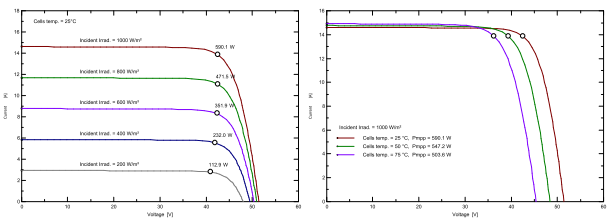
PACKING STANDARD 40ft（HQ)

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

ASSEMBLY DRAWING



IV CURVE (590W)



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