Osda N PRO

610-630W

N-Type Bifacial

EUPD RESEARCH TOP BRAND PV MODULES BRAZIL 2024

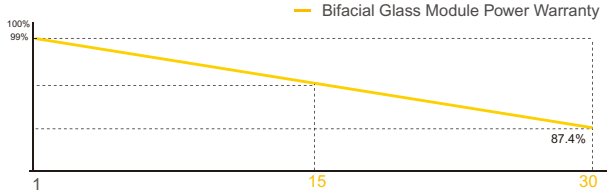
TIER 1 Bloomberg NEW ENERGY FINANCE

TOP PV Brand

- Excellent temperature coefficient (Pmax): -0.29/°C
- Excellent low-light performance: extended power generation up to 1H or more 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



ISO TÜV CE MCS CERTIFIED PV CYCLE

CQC INMETRO SASO 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 AM1.5

MODEL TYPE	ODA610-33V-MHDRz	ODA615-33V-MHDRz	ODA620-33V-MHDRz	ODA625-33V-MHDRz	ODA630-33V-MHDRz
Rated Peak Power-Pmax(Wp)	610.00	615.00	620.00	625.00	630.00
Maximum Power Voltage-Vmp(V)	40.46	40.60	40.74	40.88	41.02
Maximum Power Current-Imp(A)	15.08	15.15	15.22	15.29	15.36
Open Circuit Voltage-Voc(V)	48.68±3%	48.88±3%	49.08±3%	49.28±3%	49.48±3%
Short Circuit Current-Isc(A)	15.96±3%	16.02±3%	16.08±3%	16.14±3%	16.20±3%
Module Efficiency(%)	22.60	22.80	23.00	23.10	23.30

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

Rated Peak Power-Pmax(Wp)		462.00	466.00	469.00	473.00	477.00
Maximum Power Voltage-Vmp(V)		38.28	38.41	38.54	38.67	38.80
Maximum Power Current-Imp(A)		12.07	12.13	12.17	12.23	12.29
Open Circuit Voltage-Voc(V)		46.05±3%	46.24±3%	46.43±3%	46.62±3%	46.81±3%
Short Circuit Current-Isc(A)		12.73±3%	12.80±3%	12.84±3%	12.90±3%	12.97±3%

DOUBLE-SIDED POWER GENERATION PARAMETERS(REAR GAIN)

5%	Maximum Power(Pmax)	640.50	645.75	651.00	656.25	661.50
	Module Efficiency(%)	23.73	23.94	24.15	24.26	24.47
15%	Maximum Power(Pmax)	701.50	707.25	713.00	718.75	724.50
	Module Efficiency(%)	25.99	26.22	26.45	26.57	26.80
25%	Maximum Power(Pmax)	762.50	768.75	775.00	781.25	787.50
	Module Efficiency(%)	28.25	28.50	28.75	28.88	29.13

MECHANICAL CHARACTERISRTICS

Cell Type (mm)	182*105 N-Type Mono
No. Of Cells	132(12*11)
Module Dimensions(mm)	2384*1134*30
Weight	32.40 kg
Bifacial Glass Front Glass(mm)	2.0mm AR Coating Tempered Glass
Bifacial Glass Back Glass(mm)	2.0mm Glazed Glass
Frame	Composite
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 A

OPERATING PARAMETERS

Maximum System Voltage	1500V
Operational Temp	-40~+85 °C
Max Series Fuse Rating	35A
Nominal Module Operating Temp (NMOT)	45±2°C

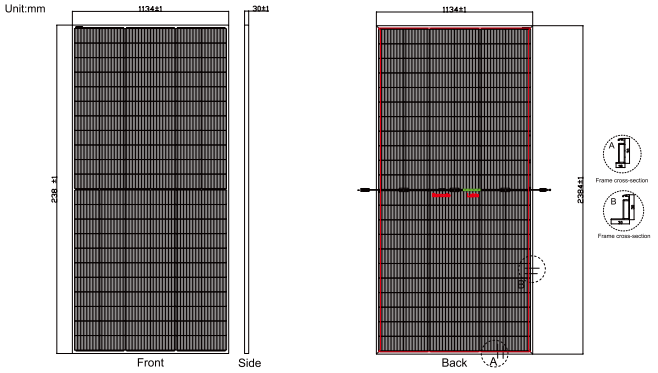
TEMP COEFFICIENT

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

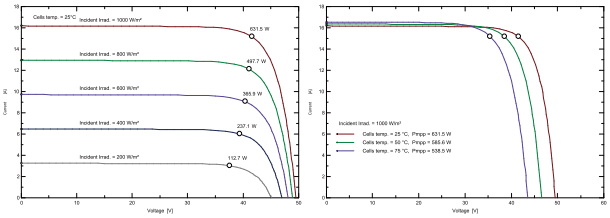
PACKING STANDARD 40ft（HQ)

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

ASSEMBLY DRAWING



IV CURVE (630W)



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