

610-630W

N-Type Bifacial



Excellent temperature coefficient (Pmax): $-0.29/^{\circ}\text{C}$



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



Has lower LID/LeTID attenuation



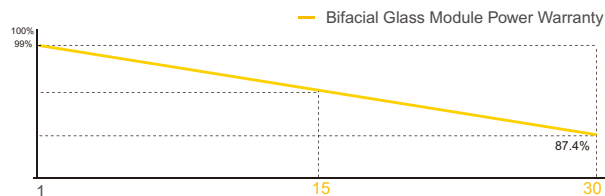
With a bifacial rate of $80\% \pm 10\%$, the bifacial power gain significantly reduces the LCOE as the backside is exposed to more light.



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	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 CHARACTERISTICS

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	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	35A
Nominal Module Operating Temp (NMOT)	45±2°C

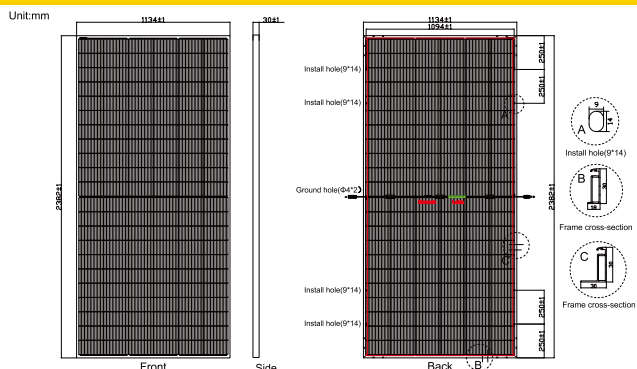
TEMP COEFFICIENT

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)

