

620-640W

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



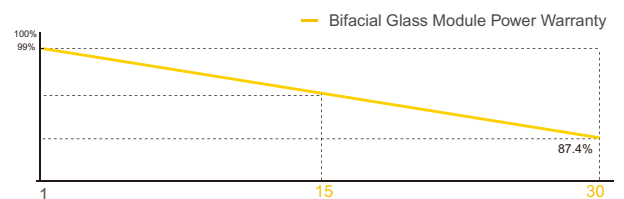
With a bifacial rate of $80\% \pm 10\%$, the bifacial power gain significantly reduces the LCOE as the backside is exposed to more light.



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

MODEL TYPE	ODA620-33V-MHDRz	ODA625-33V-MHDRz	ODA630-33V-MHDRz	ODA635-33V-MHDRz	ODA640-33V-MHDRz
Rated Peak Power-Pmax(Wp)	620.00	625.00	630.00	635.00	640.00
Maximum Power Voltage-Vmp(V)	40.74	40.88	41.02	41.16	41.30
Maximum Power Current-Imp(A)	15.22	15.29	15.36	15.43	15.50
Open Circuit Voltage-Voc(V)	49.08±3%	49.28±3%	49.48±3%	49.68±3%	49.88±3%
Short Circuit Current-Isc(A)	16.08±3%	16.14±3%	16.20±3%	16.26±3%	16.32±3%
Module Efficiency(%)	23.00	23.10	23.30	23.50	23.70

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

Rated Peak Power-Pmax(Wp)	469.00	473.00	477.00	481.00	484.00
Maximum Power Voltage-Vmp(V)	38.54	38.67	38.80	38.94	39.07
Maximum Power Current-Imp(A)	12.17	12.23	12.29	12.35	12.39
Open Circuit Voltage-Voc(V)	46.43±3%	46.62±3%	46.81±3%	47.00±3%	47.19±3%
Short Circuit Current-Isc(A)	12.84±3%	12.90±3%	12.97±3%	13.03±3%	13.07±3%

DOUBLE-SIDED POWER GENERATION PARAMETERS(REAR GAIN)

5%	Maximum Power(Pmax)	651.00	656.25	661.50	666.75	672.00
	Module Efficiency(%)	24.15	24.26	24.47	24.68	24.89
15%	Maximum Power(Pmax)	713.00	718.75	724.50	730.25	736.00
	Module Efficiency(%)	26.45	26.57	26.80	27.03	27.26
25%	Maximum Power(Pmax)	775.00	781.25	787.50	793.75	800.00
	Module Efficiency(%)	28.75	28.88	29.13	29.38	29.63

MECHANICAL CHARACTERISTICS

Cell Type (mm)	182*105 N-Type Mono
No. Of Cells	132(12*11)
Module Dimensions(mm)	2382*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	4.0mm ² , 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

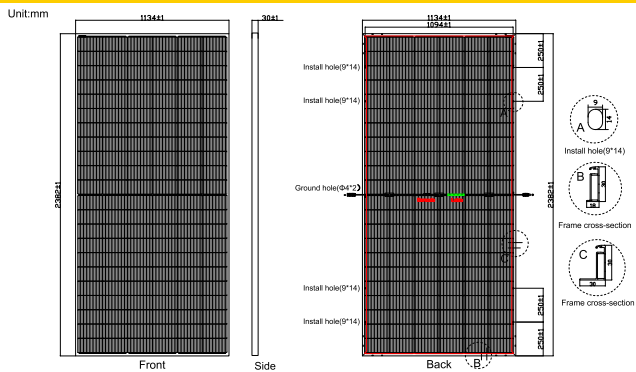
TEMP COEFFICIENT

Temp Coefficient Of Pmax	-0.290%/°C
Temp Coefficient Of Voc	-0.250%/°C
Temp Coefficient Of Isc	+0.045%/°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 (640W)

