

650W

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.



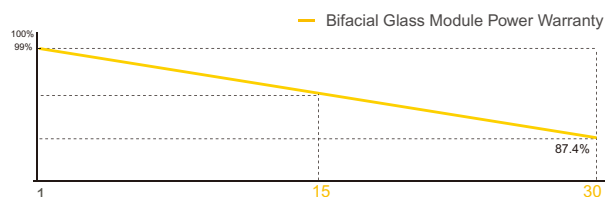
EU-28 WEEE COMPLIANT



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	ODA630-39V-MHD	ODA635-39V-MHD	ODA640-39V-MHD	ODA645-39V-MHD	ODA650-39V-MHD
Rated Peak Power-P _{max} (Wp)	630.00	635.00	640.00	645.00	650.00
Maximum Power Voltage-V _{mp} (V)	48.88	48.93	48.99	49.05	49.11
Maximum Power Current-I _{mp} (A)	12.89	12.98	13.06	13.15	13.23
Open Circuit Voltage-V _{oc} (V)	57.50±3%	57.57±3%	57.64±3%	57.71±3%	57.78±3%
Short Circuit Current-I _{sc} (A)	13.70±3%	13.79±3%	13.88±3%	13.97±3%	14.06±3%
Module Efficiency(%)	22.54	22.72	22.90	23.07	23.25

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

Rated Peak Power-P _{max} (Wp)	698.00	704.00	709.00	715.00	720.00
Maximum Power Voltage-V _{mp} (V)	49.02	49.08	49.14	49.20	49.26
Maximum Power Current-I _{mp} (A)	14.25	14.34	14.44	14.53	14.62
Open Circuit Voltage-V _{oc} (V)	57.67±3%	57.74±3%	57.81±3%	57.88±3%	57.95±3%
Short Circuit Current-I _{sc} (A)	15.14±3%	15.24±3%	15.34±3%	15.44±3%	15.54±3%

MECHANICAL CHARACTERISTICS

Cell Type (mm)	182*91 N-Type Mono
No. Of Cells	156(12*13)
Module Dimensions(mm)	2465*1134*30
Weight	34.40 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(+)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

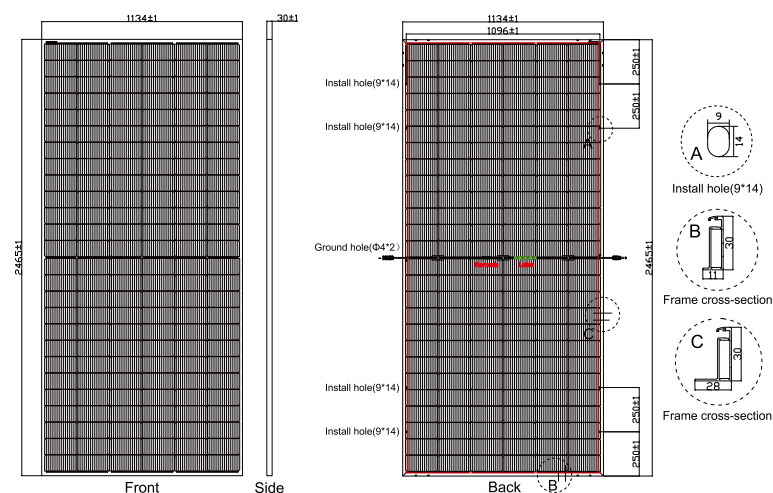
Temp Coefficient Of P _{max}	-0.290%/°C
Temp Coefficient Of V _{oc}	-0.250%/°C
Temp Coefficient Of I _{sc}	+0.045%/°C

PACKING STANDARD 40ft (HQ)

Number Of Modules Per Pallet	37
Number Of Pallets Per Container	16
Number Of Modules Per Container	592

ASSEMBLY DRAWING

Unit:mm



IV CURVE (650W)

