

455W

N-Type Monofacial



Excellent temperature coefficient (Pmax): -0.290%/°C



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



Has lower LID/LeTID attenuation



Excellent mechanical load resistance, 2400Pa wind load, 5400Pa snow load



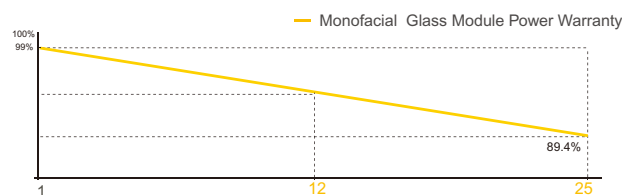
IEC61215:2021/IEC61730:2023
IEC61701/IEC62716/IEC60068/IEC62804
ISO9001:2015(Quality management systems)
ISO14001:2015(Environmental management systems)
ISO45001:2018(Occupational health and safety)
ISO14067:2018/PAS2050:2011



Guarantee



Warranty



SPECIFICATION (STC) Irradiance at 1000 W/m², Cell Temp 25°C, Air Mass AM1.5

MODEL TYPE	ODA435-27V-MHB	ODA440-27V-MHB	ODA445-27V-MHB	ODA450-27V-MHB	ODA455-27V-MHB
Rated Peak Power-P _{max} (Wp)	435.00	440.00	445.00	450.00	455.00
Maximum Power Voltage-V _{mp} (V)	33.66	33.72	33.78	33.84	33.90
Maximum Power Current-I _{mp} (A)	12.92	13.04	13.18	13.30	13.42
Open Circuit Voltage-V _{oc} (V)	39.60±3%	39.67±3%	39.74±3%	39.81±3%	39.88±3%
Short Circuit Current-I _{sc} (A)	13.73±3%	13.86±3%	14.00±3%	14.13±3%	14.26±3%
Module Efficiency(%)	22.28	22.53	22.79	23.04	23.30

MECHANICAL CHARACTERISRTICS

Cell Type (mm)	182*91 N-Type Mono
No. Of Cells	108(12*9)
Module Dimensions(mm)	1722*1134*30
Weight	21.50kg
Monofacial Glass Front Glass(mm)	3.2mm AR Coating Tempered Glass
Frame	Anodized Aluminium Alloy(Black)
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 C

TEMP COEFFICIENT

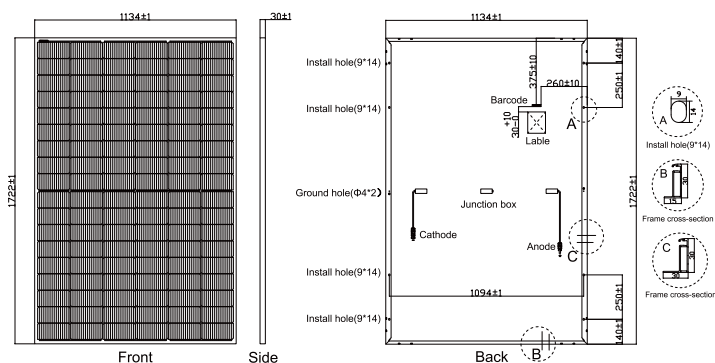
Temp Coefficient Of P _{max}	-0.290%/°C
Temp Coefficient Of V _{oc}	-0.250%/°C
Temp Coefficient Of I _{sc}	+0.045%/°C

PACKING STANDARD 40ft (HQ)

Number Of Modules Per Pallet	37
Number Of Pallets Per Container	26
Number Of Modules Per Container	962

ASSEMBLY DRAWING

Unit:mm



OPERATING PARAMETERS

Maximum System Voltage	1500V
Operational Temp	-40~+85 °C
Max Series Fuse Rating	20A
Nominal Module Operating Temp (NMOT)	45±2°C

IV CURVE (450W)

