590-610W

N-Type Monofacial



EUPD RESEARCH TOP BRAND PV MODULES BRAZIL 2024

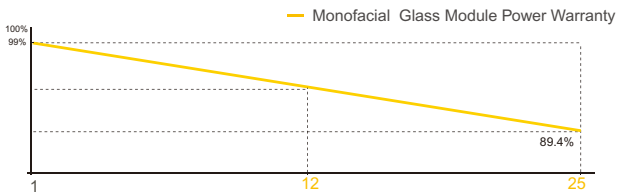
TIER 1 Bloomberg NEW ENERGY FINANCE

TOP PV Brand

- Excellent temperature coefficient (Pmax): -0.29/°C
- Excellent low-light performance: extended power generation up to 1H or so in the morning and evening
- Has lower LID/LeTID attenuation
- Excellent mechanical load resistance, 2400Pa wind load, 5400Pa snow load

12 YEARS Guarantee

25 YEARS 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

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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	ODA590-36V-MH	ODA595-36V-MH	ODA600-36V-MH	ODA605-36V-MH	ODA610-36V-MH
Rated Peak Power-Pmax(Wp)	590.00	595.00	600.00	605.00	610.00
Maximum Power Voltage-Vmp(V)	44.96	45.02	45.08	45.14	45.19
Maximum Power Current-Imp(A)	13.12	13.21	13.31	13.40	13.50
Open Circuit Voltage-Voc(V)	52.89±3%	52.96±3%	53.03±3%	53.10±3%	53.17±3%
Short Circuit Current-Isc(A)	13.94±3%	14.04±3%	14.14±3%	14.24±3%	14.34±3%
Module Efficiency(%)	22.83	23.03	23.22	23.42	23.61

MECHANICAL CHARACTERISRTICS

Cell Type (mm)	182*91 N-Type Mono
No. Of Cells	144(12*12)
Module Dimensions(mm)	2278*1134*30
Weight	27.40kg
Monofacial Glass Front Glass(mm)	3.2mm AR Coating Tempered Glass
Frame	Anodized Aluminium Alloy(Silver)
Junction Box	IP68,1500VDC, 3 Schottky Bypass Diodes
Cables	4.0mm²,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 Pmax	-0.290%/℃
Temp Coefficient Of Voc	-0.250%/℃
Temp Coefficient Of Isc	+0.045%/℃

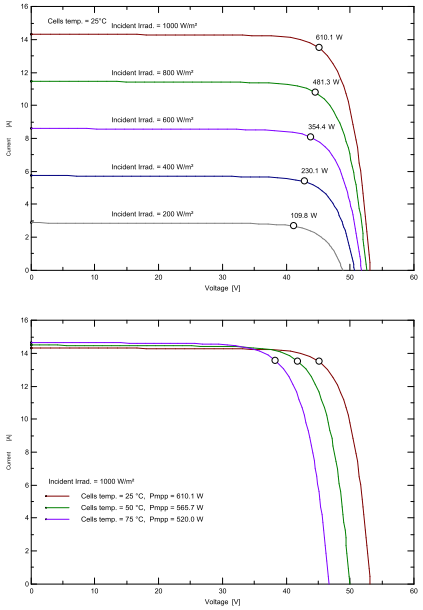
OPERATING PARAMETERS

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

PACKING STANDARD 40ft（HQ)

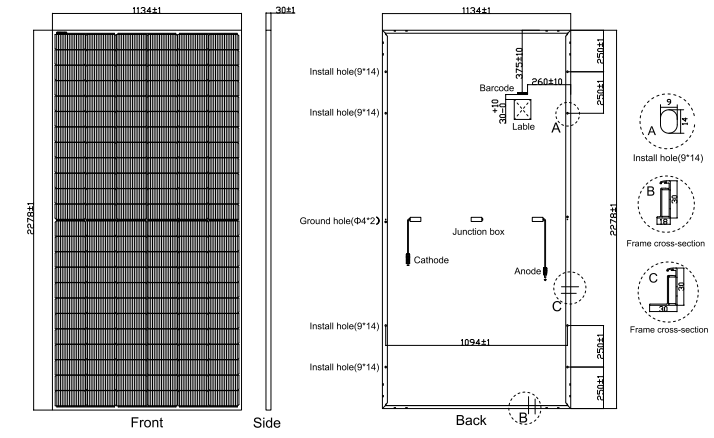
Number Of Modules Per Pallet	37
Number Of Pallets Per Container	20
Number Of Modules Per Container	740

IV CURVE (610W)



ASSEMBLY DRAWING

Unit:mm



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