

640-660W

N-Type Monofacial



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



IEC61215:2021/IEC61730:2023

IEC61701/IEC62716/IEC60068/IEC62804

ISO9001:2015(Quality management systems)

ISO14001:2015(Environmental management systems)

ISO45001:2018(Occupational health and safety)

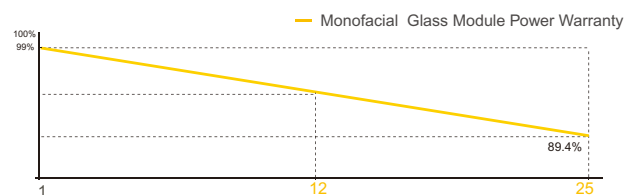
ISO14067:2018/PAS2050:2011



Guarantee



Warranty



NINGBO OSDA SOLAR CO., LTD.

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

MODEL TYPE	ODA640-39V-MH	ODA645-39V-MH	ODA650-39V-MH	ODA655-39V-MH	ODA660-39V-MH
Rated Peak Power-Pmax(Wp)	640.00	645.00	650.00	655.00	660.00
Maximum Power Voltage-Vmp(V)	49.10	49.14	49.18	49.22	49.27
Maximum Power Current-Imp(A)	13.04	13.13	13.21	13.31	13.39
Open Circuit Voltage-Voc(V)	57.76±3%	57.81±3%	57.86±3%	57.91±3%	57.96±3%
Short Circuit Current-Isc(A)	13.85±3%	13.95±3%	14.04±3%	14.14±3%	14.23±3%
Module Efficiency(%)	22.89	23.08	23.25	23.43	23.60

MECHANICAL CHARACTERISTICS

Cell Type (mm)	182*91 N-Type Mono
No. Of Cells	156(12*13)
Module Dimensions(mm)	2465*1134*30
Weight	30.00kg
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

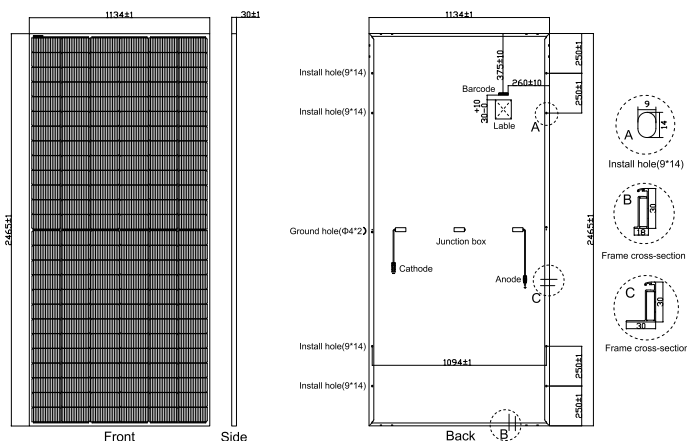
Temp Coefficient Of Pmax	-0.290%/°C
Temp Coefficient Of Voc	-0.250%/°C
Temp Coefficient Of Isc	+0.045%/°C

PACKING STANDARD 40ft (HQ)

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

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 (660W)

