

680-700W

N-Type Monofacial



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



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



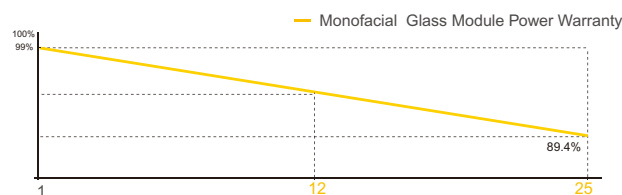
IEC61215:2021/IEC61730:2023
IEC61701/IEC62716/IEC60068/IEC62804
ISO9001:2015(Quality management systems)
ISO14001:2015(Environmental management systems)
ISO45001:2018(Occupational health and safety)
ISO14067:2018/PAS2050:2011



Guarantee



Warranty



NINGBO OSDA SOLAR CO., LTD.

☎ 400-1009967 | 🌐 www.osdasol.com | ✉ sales@osdasol.com

📍 Building F0001, No. 77, Zhuangxing Road, Jiangbei District, Ningbo City, Zhejiang Province, China

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

MODEL TYPE	ODA680-33V-MH	ODA685-33V-MH	ODA690-33V-MH	ODA695-33V-MH	ODA700-33V-MH
Rated Peak Power-Pmax(Wp)	680.00	685.00	690.00	695.00	700.00
Maximum Power Voltage-Vmp(V)	39.92	40.12	40.32	40.52	40.72
Maximum Power Current-Imp(A)	17.04	17.08	17.12	17.16	17.20
Open Circuit Voltage-Voc(V)	47.90±3%	48.14±3%	48.38±3%	48.62±3%	48.86±3%
Short Circuit Current-Isc(A)	17.80±3%	17.84±3%	17.88±3%	17.93±3%	17.97±3%
Module Efficiency(%)	21.90	22.06	22.22	22.38	22.54

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

Rated Peak Power-Pmax(Wp)	516.00	520.00	523.00	527.00	531.00
Maximum Power Voltage-Vmp(V)	37.55	37.74	37.93	38.12	38.31
Maximum Power Current-Imp(A)	13.71	13.74	13.78	13.81	13.84
Open Circuit Voltage-Voc(V)	45.27±3%	45.49±3%	45.72±3%	45.95±3%	46.17±3%
Short Circuit Current-Isc(A)	14.18±3%	14.21±3%	14.25±3%	14.29±3%	14.32±3%

MECHANICAL CHARACTERISRTICS

Cell Type (mm)	210*105 N-Type Mono
No. Of Cells	132(12*11)
Module Dimensions(mm)	2384*1303*33
Weight	33.90kg
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	4.0mm 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	25A
Nominal Module Operating Temp (NMOT)	45±2°C

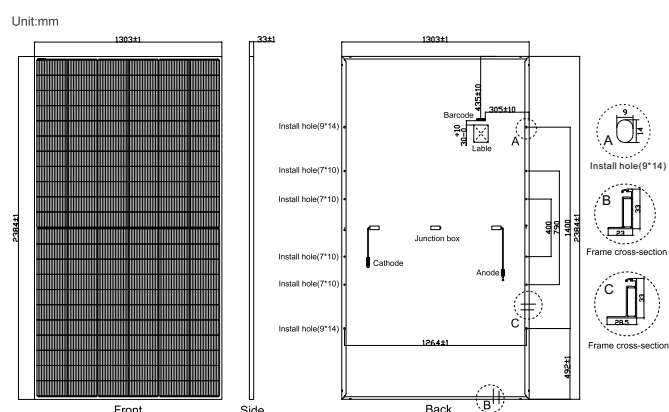
TEMP COEFFICIENT

Temp Coefficient Of Pmax	-0.300%/°C
Temp Coefficient Of Voc	-0.260%/°C
Temp Coefficient Of Isc	+0.047%/°C

PACKING STANDARD 40ft (HQ)

Number Of Modules Per Pallet	33
Number Of Pallets Per Container	18
Number Of Modules Per Container	594

ASSEMBLY DRAWING



IV CURVE (700W)

