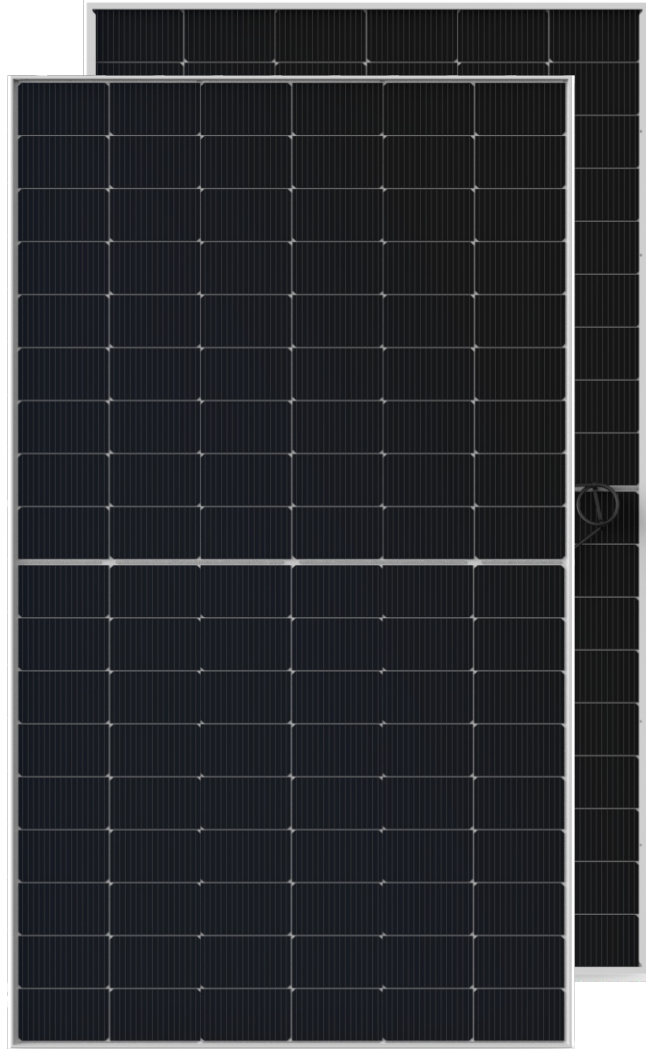


# 510W-530W

N-Type Bifacial



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



With a bifacial rate of  $80\% \pm 10\%$ , the bifacial power gain significantly reduces the LCOE as the backside is exposed to more light.



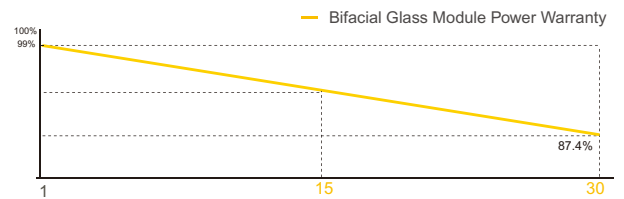
EU-28 WEEE COMPLIANT



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/m<sup>2</sup>, Cell Temp 25°C, Air Mass AM1.5

MODEL TYPE	ODA510-27V-MHDRz	ODA515-27V-MHDRz	ODA520-27V-MHDRz	ODA525-27V-MHDRz	ODA530-27V-MHDRz
Rated Peak Power-Pmax(Wp)	510.00	515.00	520.00	525.00	530.00
Maximum Power Voltage-Vmp(V)	33.66	33.71	33.76	33.81	33.86
Maximum Power Current-Imp(A)	15.15	15.28	15.40	15.53	15.65
Open Circuit Voltage-Voc(V)	39.60±3%	39.66±3%	39.72±3%	39.78±3%	39.84±3%
Short Circuit Current-Isc(A)	16.10±3%	16.23±3%	16.36±3%	16.50±3%	16.63±3%
Module Efficiency(%)	22.92	23.14	23.37	23.60	23.82

**ELECTRICAL DATA(BNPI)** Irradiance at 1000 W/m<sup>2</sup>, Back irradiance 135 W/m<sup>2</sup>, Cell Temp 25°C, Air Mass AM1.5

Rated Peak Power-Pmax(Wp)	565.00	571.00	576.00	582.00	587.00
Maximum Power Voltage-Vmp(V)	33.76	33.81	33.86	33.91	33.97
Maximum Power Current-Imp(A)	16.74	16.88	17.01	17.16	17.30
Open Circuit Voltage-Voc(V)	39.72±3%	39.78±3%	39.84±3%	39.90±3%	39.96±3%
Short Circuit Current-Isc(A)	17.79±3%	17.93±3%	18.08±3%	18.23±3%	18.38±3%

**MECHANICAL CHARACTERISTICS**

Cell Type (mm)	182*105 N-Type Mono
No. Of Cells	108(12*9)
Module Dimensions(mm)	1962*1134*30
Weight	27.40 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 <sup>2</sup> , 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

**OPERATING PARAMETERS**

Maximum System Voltage	1500V
Operational Temp	-40~+85 °C
Max Series Fuse Rating	28A
Nominal Module Operating Temp (NMOT)	45±2°C

**TEMP COEFFICIENT**

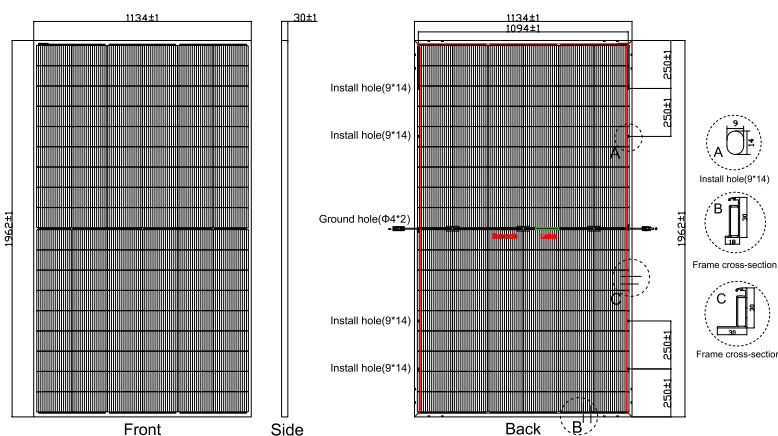
Temp Coefficient Of Pmax	-0.290%/°C
Temp Coefficient Of Voc	-0.250%/°C
Temp Coefficient Of Isc	+0.045%/°C

**PACKING STANDARD 40ft (HQ)**

Number Of Modules Per Pallet	37
Number Of Pallets Per Container	22
Number Of Modules Per Container	814

**ASSEMBLY DRAWING**

Unit:mm



**IV CURVE (530W)**

