Cando-Solar

Big Eco Series

210HJT Lead Free Solar Module

PRODUCT: ZNC-N1255GD

POWER RANGE: 555-575W

575W	22.0%	Lead Free	HJT
Max Power output	Max Panel Efficiency	Advanced 24BB Technology	210 Wafer



Advantages

More Power Output

- Advanced 210HJT cell and 24BB module technology leads to higher efficiency(22.5%);
- Better Weak Illumination Response and Lower temperature coefficient (-0.24%) for HJT;
- N-type solar cell has no LID naturally, can increase power generation

Better Looking

- Excellent cell color control by HJT technology;
- Designed with aesthetics in mind, 24BB thinner wires that appear all black at a distance

ECO Friendly

- Innovative 24BB module technology leads to LEAD-FREE;
- Double-glass design leads to fluoride-free;
- 210HJT technology leads to thinner wafer and lower energy consumption

Maximum safety

- Double-glass design leads to avoid fire;
- Perfect size and low weight, Easy for handling and Economy for transporting;
- Diverse installation solutions. Flexible for system deployment;

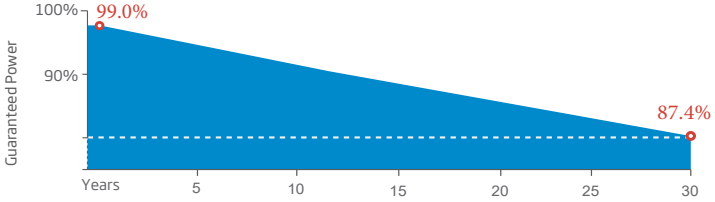
Certificates & Warranty

IEC61215:2016&IEC61730:2016

12year Product Workmanship Warranty

30year Power Warranty

1% first year degradation and 0.4% Annual Power Attenuation



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Electrical data(STC)

Max. Power Output Pmax (W)	555	560	565	570	575
Max. Power Voltage Vmp (V)	34.74	34.92	35.10	35.28	35.46
Max. Power Current Imp (A)	15.98	16.04	16.10	16.16	16.22
Open Circuit Voltage Voc (V)	40.65	40.82	40.99	41.16	41.33
Short Circuit Current Isc (A)	17.02	17.07	17.12	17.17	17.22
Module Efficiency(%)	21.2	21.4	21.6	21.8	22.0

*STC (Standard Test Condition): Irradiance 1000W/m² , Cell Temperature 25℃, Air Mass 1.5

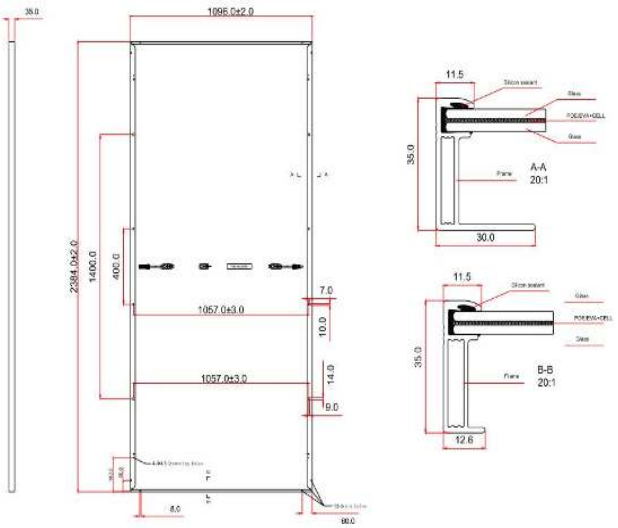
*Measurement Tolerance (±3.0%)

Electrical data(NOCT)

Max. Power Output Pmax (W)	425	429	432	436	440
Max. Power Voltage Vmp (V)	33.4	33.5	33.6	33.8	34.0
Max. Power Current Imp (A)	12.76	12.81	12.86	12.91	12.95
Open Circuit Voltage Voc (V)	39.0	39.2	39.4	39.5	39.7
Short Circuit Current Isc (A)	13.73	13.77	13.81	13.85	13.89

*NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

Dimensions of PV Module(mm)

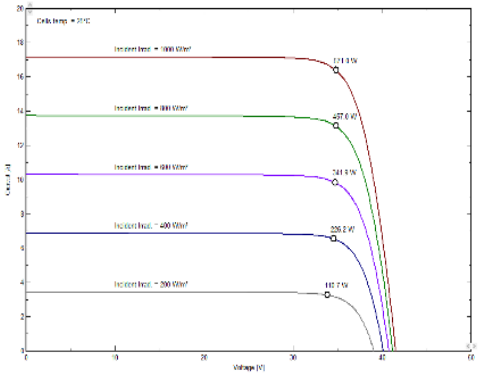


Temperature Ratings

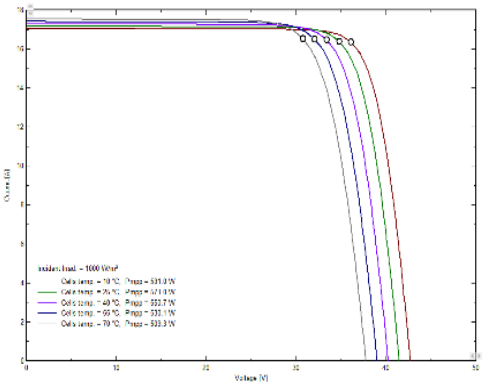
Temperature Coefficients of Pmp	-0.24%/ °C
Temperature Coefficients of Voc	-0.22%/ °C
Temperature Coefficients of Isc	+0.047%/ °C
NOCT(Nominal Operating Cell Temperature)	43±2°C

Characteristic Curves (570W)

Test temperature 25°C



Irradiance AM1.5,1000W/m²



Mechanical Data

Solar Cells	HJT 210x105mm
No. of cells	110pcs(5x22)
Module Dimensions	2384x1096x35mm
Weight	32.6kg
Glass	2.0 mm, double AR Coated Heat Strengthened Glass
Frame	35mm Anodized Aluminium Alloy
J-Box	IP 68（3 diodes）
Cables	4.0mm², 0.3m each (Length can be customized in special case)

Operating Properties

Maximum System Voltage（V）	1500(DC)
Operating Temperature（C）	-40~+85
Mechanical load(pa)	2400/5400
Maximum Series Fuse Rating（A）	30

Packaging Configuration

Modules Per Pallet	31pcs
Modules Per Container(40HC)	620pcs

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