



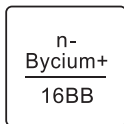
182*210 N-TYPE

ZHONGXING

132 half-cell

625-650W

16BB half-cut n-type Solar Modules



MBB Half-Cell
Technology

23.5%



Cell Conversion
Efficiency

KEY FEATURES



16BB half-cut cell technology

New circuit design, lower internal current, lower Rs loss
Ga dopped wafer, attenuation < 2% (1st year) / ≤ 0.45% (Linear)



Industry leading high yield

Bifacial N-type cell technology,
5%-25% more yield depends on different conditions



Excellent Anti-PID performance

2 times of industry standard Anti-PID test by TUV SUD



Wider application

No water-permeability and high wear-resistance,
can be widely used in high-humid, windy and dusty area



IP68 junction box

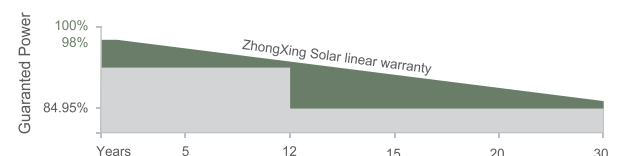
High waterproof level

SYSTEM & PRODUCT CERTIFICATES

- IEC 61215 / IEC 61730 / UL 61730
- ISO 9001: 2015
- CE
- TUV



PERFORMANCE WARRANTY





ZHONGXING SOLAR

Dimensions: 2382mm*1134mm*30mm

Power: 625-650W

Module Type		ZX625M-66NT	ZX630M-66NT	ZX635M-66NT	ZX640M-66NT	ZX645M-66NT	ZX650M-66NT
Test Environment		STC	STC	STC	STC	STC	STC
Maximum Power	P _{max} (W)	625	630	635	640	645	650
Maximum Power Voltage	V _{mp} (V)	40.88	41.02	41.16	41.30	41.44	41.58
Maximum Power Current	I _{mp} (A)	15.29	15.36	15.43	15.50	15.56	15.63
Open Circuit Voltage	V _{oc} (V)	49.28	49.48	49.68	49.88	50.08	50.28
Short Circuit Current	I _{sc} (A)	16.26	16.32	16.39	16.45	16.51	16.57
Tolerance	(W)	0+5	0+5	0+5	0+5	0+5	0+5
Module Efficiency	(%)	23.14	23.32	23.51	23.69	23.88	24.06

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200W/m² according to EN 60904-1

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

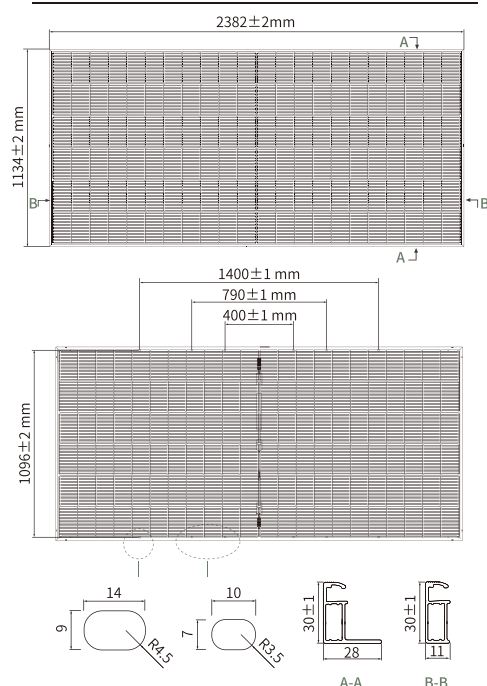
Cell Type	Monocrystalline Silicon 16Busbar
No. of Cells	132pcs in series (6*22)
Module Dimensions	2382mm*1134mm*30mm
Weight	33.1kg
Front Glass	3.2mm AR Coating Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Output Cables	4mm ² (IEC), 12AWG(UL) 300mm in Length or Customized Length
Connectors	TO1/LJQ-3-CSY/MC4/MC4-EVO2

Maximum System Voltage	1500V/DC
Operating Temperature	-40° C ~ +85° C
Maximum Series Fuse	30A
Safety Protection Class	Class II
Mechanical Load (Front side)	5400Pa
Mechanical Load (Back side)	2400Pa

Temperature Coefficient of P _{max}	-0.35%/° C
Temperature Coefficient of V _{oc}	-0.26%/° C
Temperature Coefficient of I _{sc}	+0.048%/° C
Nominal Module Operating Temperature (NMOT)	43 ± 2° C

Pieces Per Pallet	37	37(USA)
Pieces Per Container (40'HQ)	740	740

DIMENSIONS OF PV MODULE



CURVE DIAGRAM

