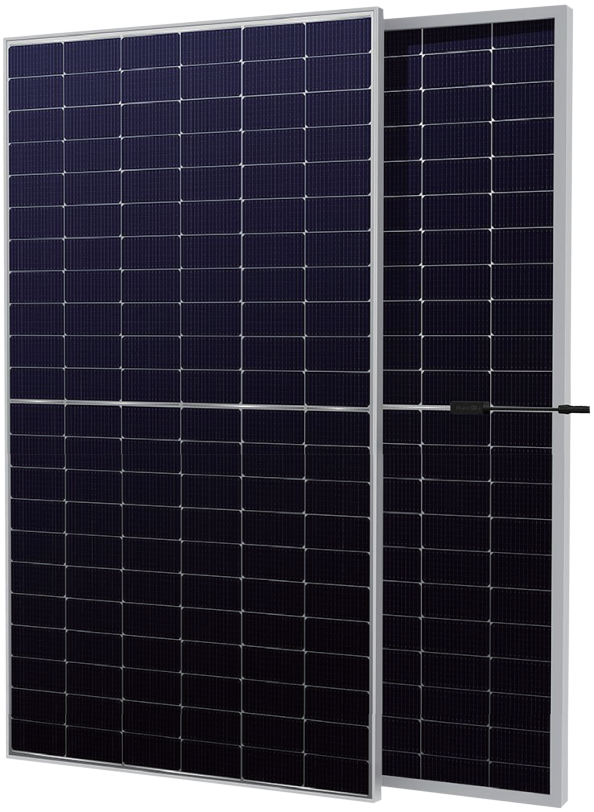
182 N-TYPE

ZHONGXING

132 half-cell

620-650W

16BB half-cut n-type Double Glass Bifacial Modules



n-Bycium+ 16BB

MBB Half-Cell Technology

24.06%

Up To

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

nti ID

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

SGS TÜV SAAR IEC 61215 IEC 61730 Periodical Inspection www.sgs-tuev-saar.com PVC211226

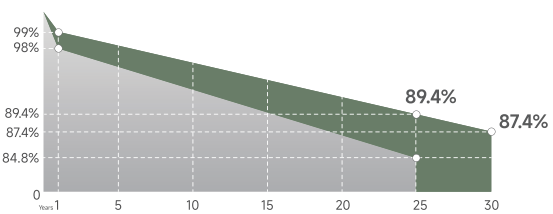
c UL us LISTED

CE

PERFORMANCE WARRANTY

15 -Year Material & Workmanship

30 -Year Linear Power Output

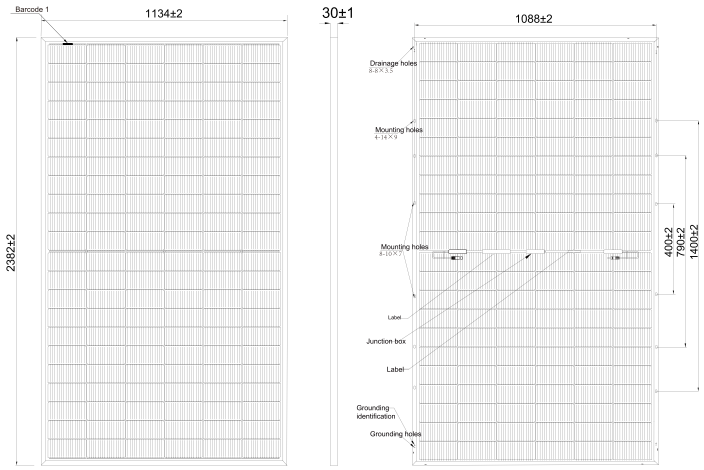


30-Year Excess Linear Power Output Warranty

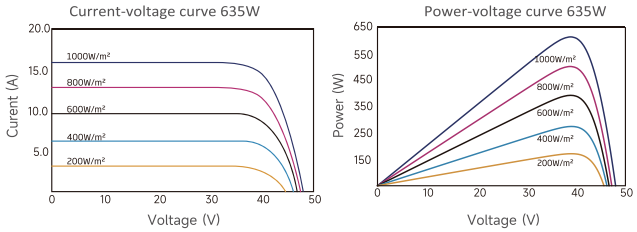
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ZHONGXING SOLAR

Dimensions:2382mm*1134mm*30mm
Power: 620-650W



Drawing Only for Reference



Electrical Characteristics STC	ZX620M-66NT	ZX625M-66NT	ZX630M-66NT	ZX635M-66NT	ZX640M-66NT	ZX645M-66NT	ZX650M-66NT
Maximum Power (Pmax)	620W	625W	630W	635W	640W	645W	650W
Power Tolerance	0～+5W	0～+5W	0～+5W	0～+5W	0～+5W	0～+5W	0～+5W
Module Efficiency	22.95%	23.14%	23.32%	23.32%	23.51%	23.88%	24.06%
Maximum Power Current (Imp)	15.22A	15.29A	15.36A	15.43A	15.50A	15.56A	15.63A
Maximum Power Voltage (Vmp)	40.74V	40.88V	41.02V	41.16V	41.30V	41.44V	41.58V
Short Circuit Current (Isc)	16.08A	16.14A	16.20A	16.26A	16.32A	16.38A	16.44A
Open Circuit Voltage (Voc)	49.08V	49.28V	49.48V	49.68V	49.88V	50.08V	50.28V

Values at Standard Test Conditions STC (AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NOCT	ZX620M-66NT	ZX625M-66NT	ZX630M-66NT	ZX635M-66NT	ZX640M-66NT	ZX645M-66NT	ZX650M-66NT
Maximum Power (Pmax)	466W	470W	473W	477W	480W	484W	487W
Maximum Power Current (Imp)	12.29A	12.35A	12.41A	12.46A	12.51A	12.56A	12.61A
Maximum Power Voltage (Vmp)	37.89V	38.02V	38.15V	38.28V	38.41V	38.54V	38.67V
Short Circuit Current (Isc)	13.04A	13.09A	13.15A	13.20A	13.26A	13.31A	13.37A
Open Circuit Voltage (Voc)	46.14V	46.32V	46.51V	46.70V	46.88V	47.07V	47.24V

NOCT, Irradiance of 800W/m², AM1.5, Ambient Temperature 20°C, wind Speed 1m/s.

Electrical Characteristics With10% Rear Side Power Gain	ZX682M-66NT	ZX688M-66NT	ZX693M-66NT	ZX699M-66NT	ZX704M-66NT	ZX710M-66T	ZX715M-66NT
Maximum Power (Pmax)	682W	688W	693W	699W	704W	710W	715W
Maximum Power Current (Imp)	16.74A	16.82A	16.89A	16.97A	17.04A	17.12A	17.19A
Maximum Power Voltage (Vmp)	40.74V	40.88V	41.02V	41.16V	41.30V	41.44V	41.58V
Short Circuit Current (Isc)	17.69A	17.75A	17.82A	17.89A	17.96A	18.03A	18.09A
Open Circuit Voltage (Voc)	40.74V	40.88V	41.02V	41.16V	41.30V	41.44V	41.58V

Mechanical Characteristics

Cell Type	Mono N-Type,132(6×22) Half-Cut cells
Glass	2mm+2mm,High Transmission,Low Iron,Semi-Tempered glass
Frame	Anodized Aluminum Alloy
Juction Box	IP68 Rated
Dimension	2382x1134x30mm
Output Cable	4mm2(EU),+200mm,-300mm or Customized
Weight	32.4kg
Connector	MC4 Compatible

Packing Information

Container	40' HQ
Pallets per Container	20
Pieces per Container	740

Characteristics

Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	+0.04%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Nominal Operating Cell Temperature(NOCT)	43±2°C
Fire Performance	IEC Class C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A

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