182 N-TYPE

ZHONGXING

132 half-cell

580-605W

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



n-Bycium+ 16BB

MBB Half-Cell Technology

26%

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

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

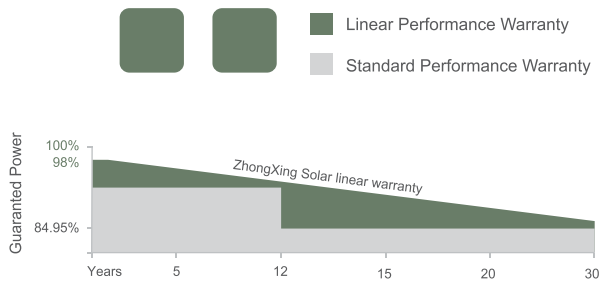
- IEC 61215 / IEC 61730 / UL 61730
- ISO 9001: 2015
- CE
- TUV

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

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CE

PERFORMANCE WARRANTY



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ZHONGXING SOLAR

Dimensions:2278mm*1134mm*30mm
Power: 580-605W

Module Type		ZX580M-66NT	ZX585M-66NT	ZX590M-66NT	ZX595M-66NT	ZX600M-66NT	ZX605M-66NT
Test Environment		STC	STC	STC	STC	STC	STC
Maximum Power	Pmax(W)	580	585	590	595	600	605
Maximum Power Voltage	Vmp(V)	40.42	40.63	40.84	41.03	41.24	41.44
Maximum Power Current	Imp(A)	14.35	14.40	14.45	14.50	14.55	14.60
Open Circuit Voltage	Voc(V)	48.18	48.38	48.58	48.78	48.98	49.19
Short Circuit Current	Isc(A)	15.21	15.26	15.31	15.36	15.41	15.46
Tolerance	(W)	0-+5	0-+5	0-+5	0-+5	0-+5	0-+5
Module Efficiency	(%)	22.5	22.6	22.8	23.0	23.2	23.4

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	2278mm*1134mm*30mm
Weight	31.8kg(69.96bs.)
Front Glass/Back Glass	2.0mm AR Coating Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68，3 Bypass Diodes
Output Cables	4mm² (IEC)，12AWG(UL) 300mm in Length or Customized Length
Connectors	TO1/LJQ-3-CSY/MC4/MC4-EVO2

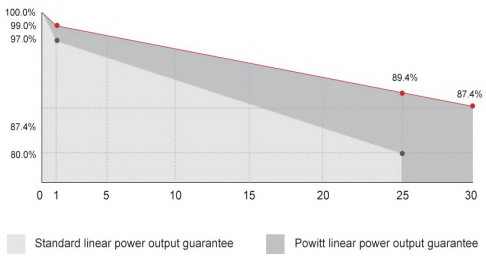
Maximum System Voltage	1500V/DC
Operating Temperature	-40° C~+85° C
Maximum Series Fuse	30A
Safety Protection Class	Class Ⅱ
Mechanical Load (Front side)	5400Pa
Mechanical Load (Back side)	2400Pa

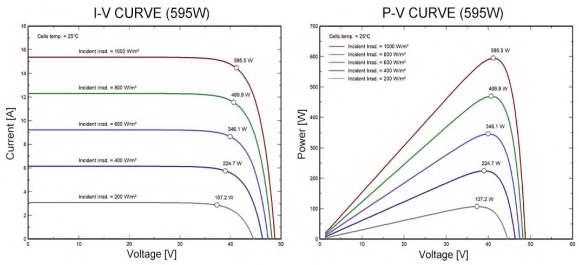
Temperature Coefficient of Pmax	-0.35%/° C
Temperature Coefficient of Voc	-0.26%/° C
Temperature Coefficient of Isc	+0.048%/° C
Nominal Module Operating Temperature(NMOT)	43±2° C

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

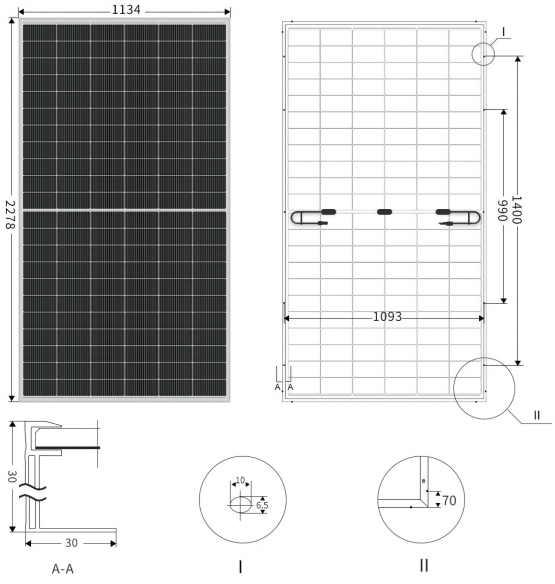
LINEAR PERFORMANCE WARRANTY

15-Years Product Warranty 30-Years Linear Power Warranty





DIMENSIONS OF PV MODULE



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