

# TOPCon 132 Solar Module

## PCE-630/132

**N-TopCon Technology**  
Dual Glass Bifacial PV Module

630W / 132 Cells - N-Type

### FEATURES



**25-year Warranty for Materials & Processing**



**30-year Warranty for Extra Linear Power Output**



**TopCon Technology**

SMBB technology to Higher cell efficiency and higher module power



**Reliable Load-Bearing**

Performance  
Maximum front-side test of 5400Pa  
Maximum back-side test of 2400Pa



**Suitable for Utility Project**

Lower BOS cost, lower LCO



**Double-Glass BifacialPV**

Maximum bifaciality up to 85±5% Capture more sunlight, achieve higher energy yield



**Anti-PID Guarantee**

Minimize PID-induced degradation probability via battery production optimization and material control.



**Excellent Low-Light Power Generation Performance**

Minimize PID-induced degradation probability via battery production optimization and material control.

ISO 9001: 2015: ISO Quality Management Systems

ISO 14001: 2015: ISO Environment Management Systems

ISO 45001: 2018: ISO Occupational Health and Safety Management Systems

GB/T 29490-2013

# SPECIFICATIONS

## Model PCE-630/132

Mechanical Specification	
Snow Load	5400 Pa or 550 kg/m <sup>2</sup>
Wind Load	2400 Pa or 244 kg/m <sup>2</sup>
Hail Resistance	Max. Ø 25 mm at 23 m/s
Cell Type	N-Type TopCon Half-cut Cell
No. of Cells	132
Front Cover	2.0 mm glass, high transmission, AR coated, tempered
Encapsulation	EVA
Back Cover	2.0mm, HeatStrengthenedGlass
Junction Box	IP68 rated, 3 bypass diodes
Frame	30 mm anodized aluminium alloy
Cable	1 x 4 mm <sup>2</sup> , 350 mm length or customized
Connectors	MC 4/ MC 4 compatible
Weight	33.0kg
Dimension	2382*1134*30mm
Packaging	740pcs/40HQ Container

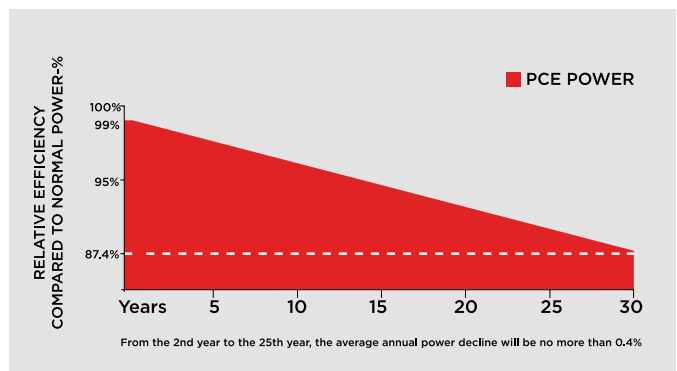
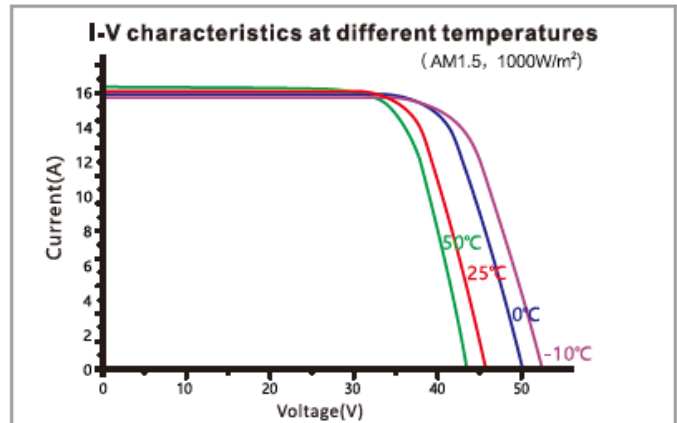
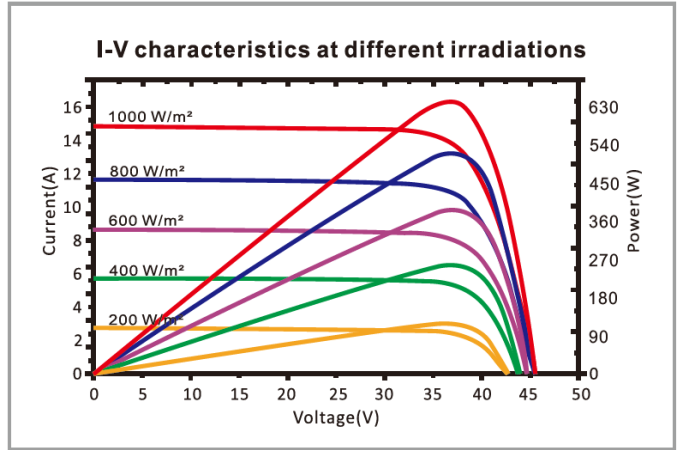
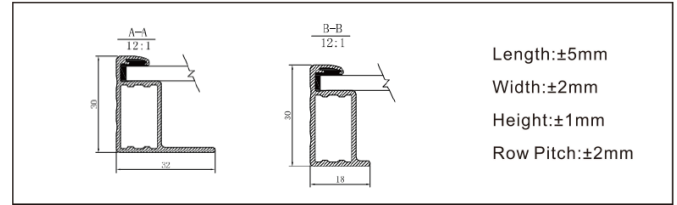
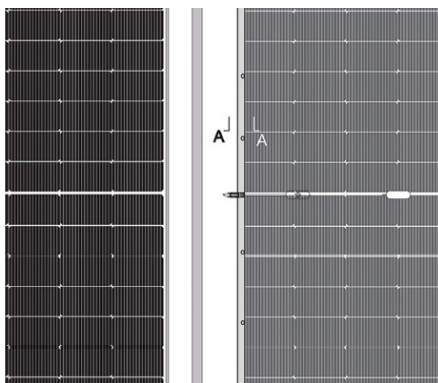
Operation	
Operational Temperature	-40~+85°C
Power Output Tolerance	0-5W
Voc and Isc Tolerance	±3%
Maximum System Voltage	1500VDC(IEC)
Maximum Series Fuse Rating	30A
Nominal Operational Cell Temperature	43±2°C
Protection Class	Class II
Fire Rating	UL type 1 or 2 IEC Class C

Electrical Characteristics		
Module Type	AOX-132G12RHC630W	
Testing Condition	STC	NOCT
Maximum Power (Pmax/W)	630W	478.90W
Voltage at Maximum Power (Vmp/V)	41.40	38.70
Current at Maximum Power (Imp/A)	15.22	12.37
Open Circuit Voltage (Voc/V)	49.30	46.70
ShortCircuit Current(Isc/A)	16.14	13.02
Module Efficiency(%)	23.32%	

Temperature Ratings(STC)	
Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Voc	-0.230%/°C
Temperature Coefficient of Pmax	-0.280%/°C

STC: AM1.5 1000W/m<sup>2</sup> 25°C NOCT: AM1.5 800W/m<sup>2</sup> 20°C 1m/s Test uncertainty for Pmax: ±3%

# LAYOUT



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