

SOLAR N PLUS

TOPcon Bifacial

TWPV-N16B/132HG610-630W

630W

Maximum Power

23.3%

Module Efficiency

0~+5W

Power Tolerance

PRODUCT CHARACTERISTICS



210R Cell Technology



High Conversion Efficiency



Extra Power Gain



Lower LCOE



High Reliability



Suitable for Multi-type Projects

CERTIFICATION



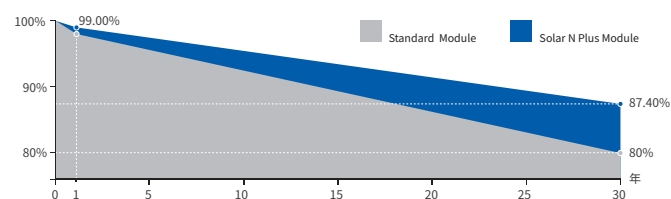
- ISO 9001: 2015/quality management system
- ISO 14001: 2015/ environment management system
- ISO 45001: 2018/ occupation health safety management system

INSURANCE



中国平安
PINGAN

WARRANTY



Guarantee on product material and workmanship



Linear poweroutput warranty

ELECTRICAL CHARACTERISTICS (STC)

Maximum Power (Pm)	W	610	615	620	625	630
Power Tolerance	W			0~+5		
Maximum Power Voltage (Vm)	V	40.46	40.60	40.74	40.88	41.02
Maximum Power Current (Im)	A	15.08	15.15	15.22	15.29	15.36
Open Circuit Voltage (Voc)	V	48.68	48.88	49.08	49.28	49.48
Short Circuit Current (Isc)	A	15.96	16.02	16.08	16.14	16.2
Module Efficiency (ηm)	%	22.6	22.8	23.0	23.1	23.3

STC:AM=1.5, irradiance 1000W/m², module temperature 25°C

ELECTRICAL CHARACTERISTICS (NMOT)

Maximum Power (Pm)	W	461	465	469	473	477
Maximum Power Voltage (Vm)	V	38.0	38.2	38.4	38.7	38.9
Maximum Power Current (Im)	A	12.14	12.17	12.21	12.24	12.27
Open Circuit Voltage (Voc)	V	46.1	46.4	46.6	46.8	47.0
Short Circuit Current (Isc)	A	12.76	12.78	12.81	12.84	12.87

NMOT: irradiance 800W/m², environment temperature 20°C, wind speed 1m/s

MECHANICAL SPECIFICATIONS

External Dimension (L×W×H)	2382mm×1134mm×30mm
Weight	33kg
Number of Cells	132(6x22)/16BB
Front Glass	2.0mm AR-coating heart- strengthened glass
Rear Glass	2.0mm Heat-Strengthened glass
Frame	Anodized Aluminum Alloy, Silver Color
Junction Box	IP68
Output Cables	4mm² , 300mm or customized length
Connector	MC4 Compatible

APPLICATION CONDITIONS

Maximum System Voltage	DC1500V(IEC)
Maximum Series Fuse Rating	30A
Operating Temperature	-40°C~+85°C
Mechanical Load	5400Pa / 2400Pa
Hail Test	Φ25mm diameter hail at 23m/s
Application Rating	Class A

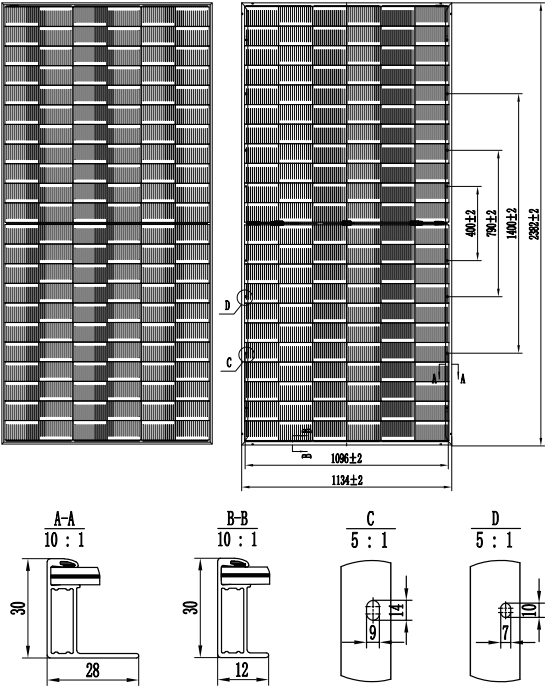
TEMP CHARACTERISTICS

Nominal Module Operating Temperature (NMOT)	42±2°C
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of ISC	0.045%/°C

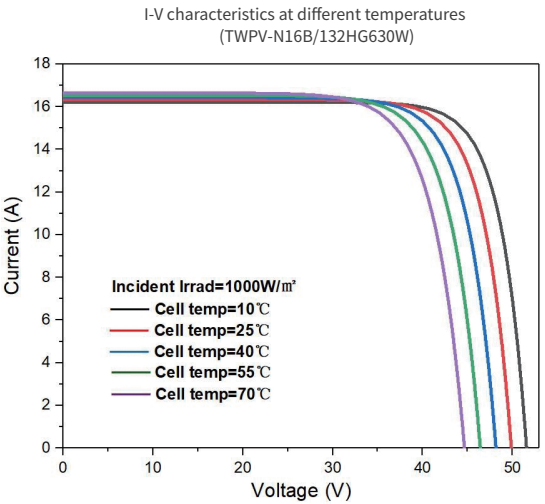
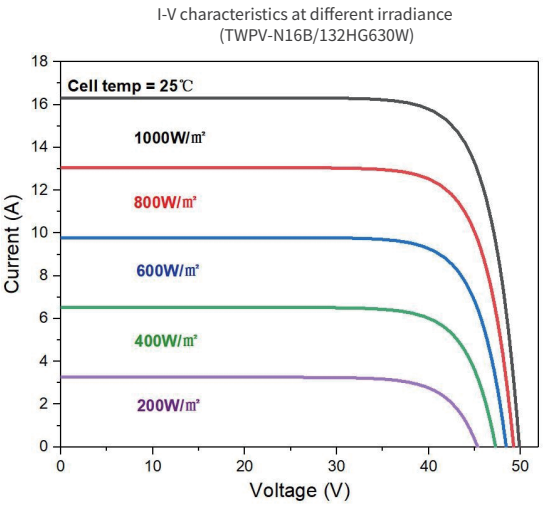
PACKING CONFIGURATION

Pieces per Pallet	37/pcs	40HC	740/pcs
Packaging box Size	2439×1145×1260mm	17.5m	888/pcs

TECHNICAL DRAWING



I-V CURVE



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