



SOLAR N PLUS

SP-N18/132HG

TOPCon Bifacial 700-720W



HIGHER EFFICIENCY



LOWER TEMPERATURE COEFFICIENT



LOW ATTENUATION, LONG WARRANTY



HIGHER BIFACIALITY

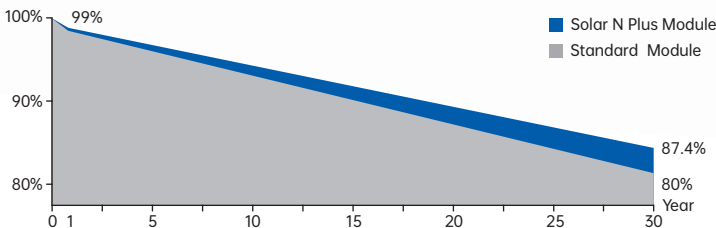
WARRANTY



15 YEARS Guarantee on product material and workmanship



30 YEARS Linear power output warranty



INSURANCE



中国平安
PINGAN

CERTIFICATION



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

700-720W SP-N18/132HG

ELECTRICAL CHARACTERISTICS (STC)

Maximum Power (Pm)	W	700	705	710	715	720
Power Tolerance	W			0~+5		
Maximum Power Voltage (Vm)	V	40.5	40.7	40.9	41.1	41.3
Maximum Power Current (Im)	A	17.28	17.32	17.36	17.40	17.44
Open Circuit Voltage (Voc)	V	48.3	48.5	48.7	48.9	49.1
Short Circuit Current (Isc)	A	18.32	18.36	18.40	18.44	18.48
Module Efficiency (ηm)	%	22.5	22.7	22.9	23.0	23.2

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

ELECTRICAL CHARACTERISTICS (NMOT)

Maximum Power (Pm)	W	534	538	542	546	550
Maximum Power Voltage (Vm)	V	38.00	38.20	38.40	38.6	38.8
Maximum Power Current (Im)	A	14.05	14.08	14.12	14.15	14.18
Open Circuit Voltage (Voc)	V	46.00	46.20	46.40	46.60	46.80
Short Circuit Current (Isc)	A	14.76	14.80	14.83	14.86	14.89

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

REAR SIDE POWER GAIN

5%	Max Power	735	740	746	751	756
	Efficiency	23.66%	23.82%	24.02%	24.18%	24.34%
15%	Max Power	805	811	817	822	828
	Efficiency	25.91%	26.10%	26.30%	26.46%	26.66%
25%	Max Power	875	881	888	894	900
	Efficiency	28.17%	28.36%	28.59%	28.78%	28.97%

MECHANICAL SPECIFICATIONS

External Dimension (L×W×H)	2384×1303×33mm
Weight	38.1 kg
Number of Cells	132 (6×22)
Front Glass	2.0mm AR-coating heat-strengthened glass
Rear Glass	2.0mm heat-strengthened glass
Frame	Anodized aluminum alloy, silver color
Junction Box	IP68
Output Cables	4mm ² , 300mm or customized length
Connector	MC4 compatible

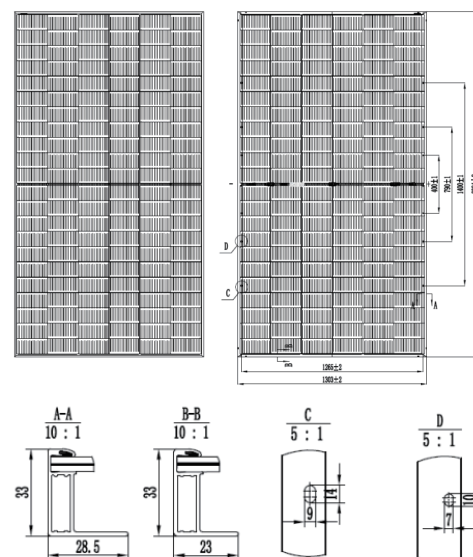
APPLICATION CONDITIONS

Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	35A
Operating Temperature	-40°C ~ +85°C
Mechanical Load	5400Pa/2400Pa
Hail Test	25mm diameter hail at 23m/s
Bifaciality	80±5%
Application Rating	Class A

TEMP CHARACTERISTICS

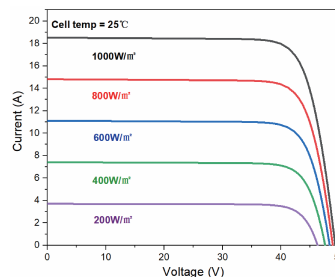
Nominal Module Operating Temperature	43±2°C
Temperature Coefficient of Pmax	-0.30%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of ISC	0.04%/°C

TECHNICAL DRAWING

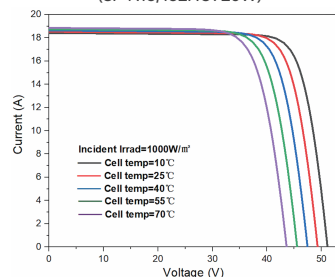


I-V CURVE

I-V characteristics at different irradiance (SP-N18/132HG720W)



I-V characteristics at different temperatures (SP-N18/132HG720W)



PACKING CONFIGURATION

Container	40'HC
Pieces per Pallet	33 pcs
Packaging box Size	1360×1145×2524mm
Pieces per Container	594 pcs



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