



SOLAR N PLUS

SP-N16B/132HG

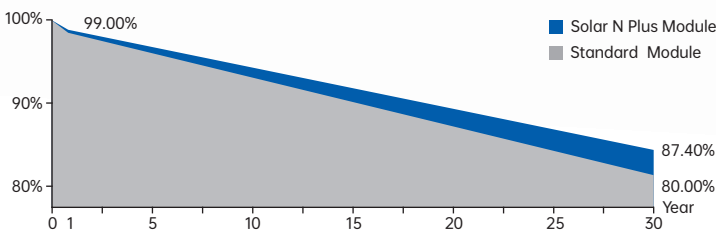
TOPcon Bifacial 610-630W

-  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



CERTIFICATION



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

610-630W SP-N16B/132HG

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

REAR SIDE POWER GAIN

5%	Max Power	641W	646W	651W	656W	662W
	Efficiency	24.79%	25.00%	25.20%	25.40%	25.61%
15%	Max Power	702W	707W	713W	719W	725W
	Efficiency	27.16%	27.38%	27.60%	27.82%	28.05%
25%	Max Power	763W	769W	775W	781W	788W
	Efficiency	29.52%	29.76%	30.00%	30.24%	30.48%

MECHANICAL SPECIFICATIONS

External Dimension (L×W×H)	2382×1134×30mm
Weight	33kg
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	4.0mm ² , 300mm or customized length
Connector	MC4 Compatible

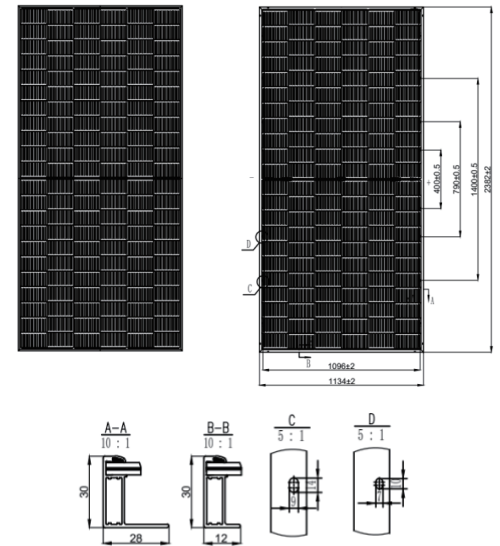
APPLICATION CONDITIONS

Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	30A
Operating Temperature	-40°C ~ +85°C
Mechanical Load	5400Pa/2400Pa
Hail Test	25mm diameter hail at 23m/s
Bifaciality	80±5%
Application Rating	Class A

TEMP CHARACTERISTICS

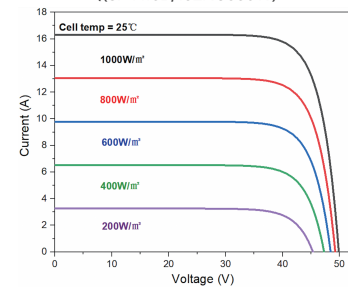
Nominal Module Operating Temperature	42±2°C
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of ISC	+0.045%/°C

TECHNICAL DRAWING

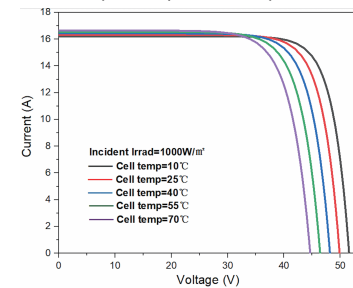


I-V CURVE

I-V characteristics at different irradiance ((SP-N16B/132HG630W))



I-V characteristics at different temperatures (SP-N16B/132HG630W)



PACKING CONFIGURATION

Container	40'HC
Pieces per Pallet	36 pcs
Packaging box Size	2439×1145×1260×mm
Pieces per Container	720 pcs



SOLAR N PLUS NEW ENERGY TECHNOLOGY CO., LTD

No.1 Jianye road, Zhongxin Suchu Industrial Development Zone, Chuzhou City, 239000, Anhui Province, China
025-52806120
www.solarnplus.com

Solar N Plus reserves the sole right of interpretation.
Version No.20240515V3.0