



SOLAR N PLUS

SP-N18/132HG

N-TYPE Bifacial 685-740W



HIGHER
EFFICIENCY



LOWER TEMPERATURE
COEFFICIENT



LOW ATTENUATION,
LONG WARRANTY



HIGHER
BIFACIALITY

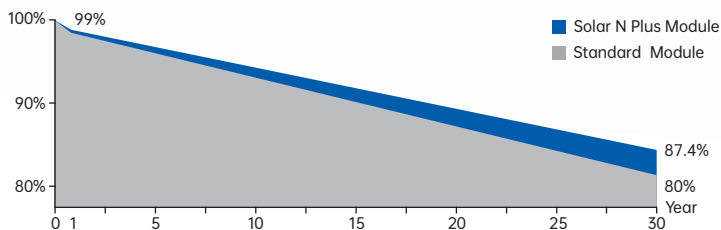
WARRANTY



Guarantee on product material
and workmanship



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

685-740W

SP-N18/132HG

ELECTRICAL CHARACTERISTICS (STC)

Maximum Power (Pm)	W	685	690	695	700	705	710	715	720	725	730	735	740
Power Tolerance	W	0~+5											
Maximum Power Voltage (Vm)	V	39.9	40.1	40.3	40.5	40.7	40.9	41.1	41.3	41.5	41.7	41.9	42.1
Maximum Power Current (Im)	A	17.17	17.21	17.24	17.28	17.32	17.36	17.40	17.44	17.48	17.51	17.54	17.58
Open Circuit Voltage (Voc)	V	47.7	47.9	48.1	48.3	48.5	48.7	48.9	49.1	49.3	49.5	49.7	49.9
Short Circuit Current (Isc)	A	18.21	18.25	18.28	18.32	18.36	18.40	18.44	18.48	18.52	18.55	18.58	18.62
Module Efficiency (ηm)	%	22.1	22.2	22.4	22.5	22.7	22.9	23.0	23.2	23.3	23.5	23.7	23.8

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

ELECTRICAL CHARACTERISTICS (NMOT)

Maximum Power (Pm)	W	522	526	530	534	538	542	546	550	554	558	562	566
Maximum Power Voltage (Vm)	V	37.4	37.6	37.80	38.00	38.20	38.40	38.6	38.8	39.0	39.2	39.4	39.6
Maximum Power Current (Im)	A	13.96	13.99	14.02	14.05	14.08	14.12	14.15	14.18	14.21	14.24	14.27	14.3
Open Circuit Voltage (Voc)	V	45.4	45.6	45.80	46.00	46.20	46.40	46.60	46.80	47.00	47.2	47.4	47.6
Short Circuit Current (Isc)	A	14.67	14.70	14.73	14.76	14.80	14.83	14.86	14.89	14.92	14.95	14.98	15.01

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

REAR SIDE POWER GAIN

5%	Max Power	719	725	730	735	740	746	751	756	761	767	772	777
	Efficiency	23.15%	23.32%	23.49%	23.66%	23.83%	24.00%	24.17%	24.34%	24.51%	24.68%	24.84%	25.01%
15%	Max Power	788	794	799	805	811	817	822	828	834	840	845	851
	Efficiency	25.36%	25.54%	25.73%	25.91%	26.10%	26.28%	26.47%	26.66%	26.84%	27.03%	27.21%	27.40%
25%	Max Power	856	863	869	875	881	888	894	900	906	913	919	925
	Efficiency	27.56%	27.77%	27.97%	28.17%	28.37%	28.57%	28.77%	28.97%	29.17%	29.38%	29.58%	29.78%

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	4mm², 300mm or customized length
Connector	MC4 compatible

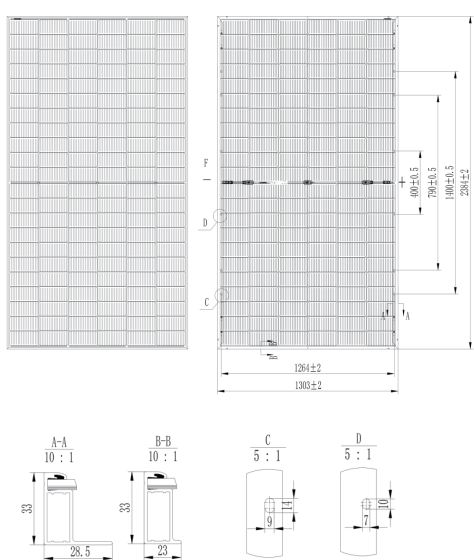
APPLICATION CONDITIONS

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

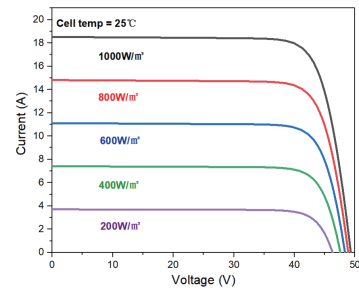
Nominal Module Operating Temperature	43±2°C
Temperature Coefficient of Pmax	-0.30%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of ISC	0.04%/°C

TECHNICAL DRAWING

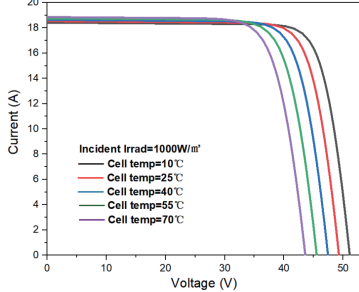


I-V CURVE

I-V characteristics at different irradiance (SP-N18/132HG740W)



I-V characteristics at different temperatures (SP-N18/132HG740W)



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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