



SOLAR N PLUS

SP-G12/132HG

CYGNUS

PERC Bifacial

655-675W



HIGHER EFFICIENCY



LOWER TEMPERATURE COEFFICIENT



LOW ATTENUATION, LONG WARRANTY



HIGHER BIFACIALITY

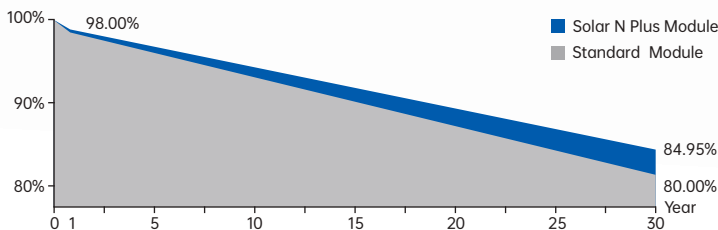
WARRANTY



Guarantee on product material and workmanship



Linear power output warranty



CERTIFICATION



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

655-675W SP-G12/132HG

ELECTRICAL CHARACTERISTICS (STC)

Maximum Power (Pm)	W	655	660	665	670	675
Power Tolerance	W				0~+5	
Maximum Power Voltage (V _m)	V	37.80	38.00	38.20	38.40	38.60
Maximum Power Current (I _m)	A	17.33	17.37	17.41	17.45	17.49
Open Circuit Voltage (V _{oc})	V	45.60	45.80	46.00	46.20	46.40
Short Circuit Current (I _{sc})	A	18.26	18.31	18.36	18.41	18.46
Module Efficiency (η _m)	%	20.70	20.90	21.10	21.30	21.50

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

ELECTRICAL CHARACTERISTICS (NMOT)

Maximum Power (Pm)	W	496	500	504	509	513
Maximum Power Voltage (V _m)	V	35.30	35.50	35.70	35.90	36.10
Maximum Power Current (I _m)	A	14.05	14.09	14.13	14.17	14.21
Open Circuit Voltage (V _{oc})	V	43.00	43.20	43.40	43.60	43.80
Short Circuit Current (I _{sc})	A	14.66	14.71	14.76	14.81	14.86

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

REAR SIDE POWER GAIN

5%	Max Power	688W	693W	698W	704W	709W
	Efficiency	22.14%	22.31%	22.48%	22.65%	22.82%
15%	Max Power	753W	759W	765W	771W	776W
	Efficiency	24.25%	24.43%	24.62%	24.80%	24.99%
25%	Max Power	819W	825W	831W	838W	844W
	Efficiency	26.36%	26.56%	26.76%	26.96%	27.16%

MECHANICAL SPECIFICATIONS

External Dimension (L×W×H)	2384×1303×30mm
Weight	38.7kg
Solar Cells	132 (6x22)/12BB Mono/210×105mm
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

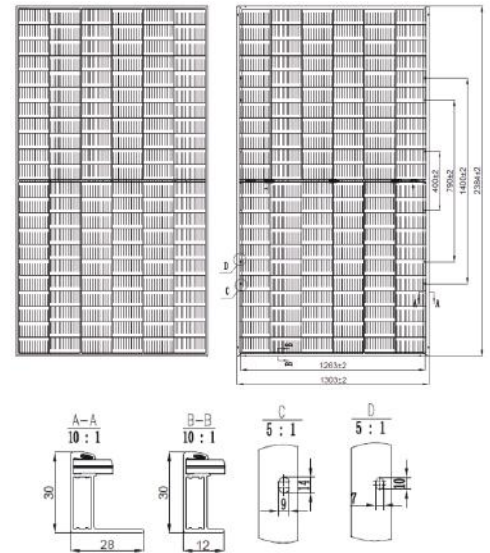
APPLICATION CONDITIONS

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	70±5%
Application Rating	Class A

TEMP CHARACTERISTICS

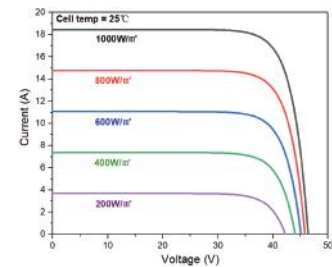
Nominal Module Operating Temperature	45±2°C
Temperature Coefficient of P _{max}	-0.35%/°C
Temperature Coefficient of V _{oc}	-0.28%/°C
Temperature Coefficient of I _{sc}	+0.050%/°C

TECHNICAL DRAWING

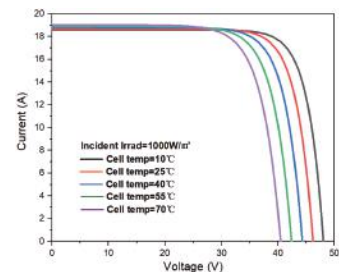


I-V CURVE

I-V characteristics at different irradiance (SP- G12/132HG 675W)



I-V characteristics at different temperatures (SP- G12/132HG 675W)



PACKING CONFIGURATION

Container	40'HC
Pieces per Pallet	36 pcs
Packaging box Size	1345×1140×2510mm
Pieces per Container	612 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.2023V2.0