



SOLAR PLUS

SP-G12/132H

CYGNUS

PERC Monofacial

655-675W



HIGH POWER



MUTI BUSBAR



HALF-CUT CELL



HIGH DENSITY ENCAPSULATION

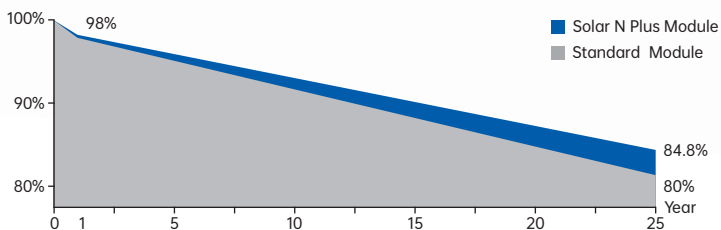
WARRANTY



15 YEARS Guarantee on product material and workmanship



25 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

655-675W SP-G12/132H

ELECTRICAL CHARACTERISTICS (STC)

Maximum Power (Pm)	W	655	660	665	670	675
Power Tolerance	W			0~+5		
Maximum Power Voltage (V _m)	V	37.6	37.8	38.0	38.2	38.4
Maximum Power Current (I _m)	A	17.42	17.46	17.50	17.54	17.58
Open Circuit Voltage (V _{oc})	V	45.4	45.6	45.8	46.0	46.2
Short Circuit Current (I _{sc})	A	18.50	18.55	18.60	18.65	18.70
Module Efficiency (η _m)	%	21.1	21.2	21.4	21.6	21.7

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	35.1	35.3	35.5	35.7	35.9
Maximum Power Current (I _m)	A	14.13	14.18	14.22	14.27	14.31
Open Circuit Voltage (V _{oc})	V	42.8	43.0	43.2	43.4	43.6
Short Circuit Current (I _{sc})	A	14.88	14.92	14.96	15.00	15.04

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

MECHANICAL SPECIFICATIONS

External Dimension (L×W×H)	2384×1303×35mm
Number of Cells	Number of Cells 132 (6x22)
Weight	35.7kg
Glass	3.2mm AR-coating 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	30A
Operating Temperature	-40°C ~ +85°C
Mechanical Load	5400Pa/2400Pa
Hail Test	25mm diameter hail at 23m/s
Application Rating	Class A

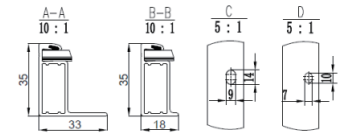
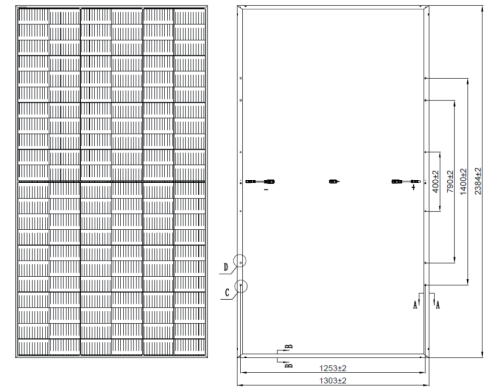
TEMP CHARACTERISTICS

Nominal Module Operating Temperature	45±2°C
Temperature Coefficient of Power	-0.35%/°C
Temperature Coefficient of Voltage	-0.28%/°C
Temperature Coefficient of Current	0.05%/°C

PACKING CONFIGURATION

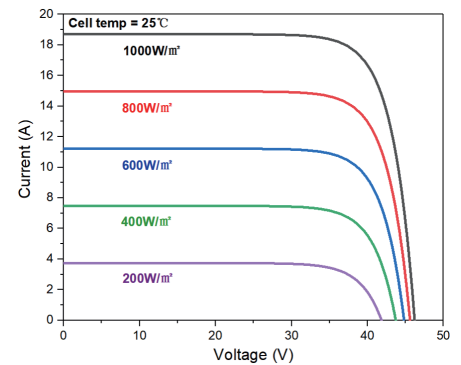
Container	40'HC
Module per box	31 Pieces
Packaging box Size	1345×1140×2510mm
Module per container	527 Pieces

TECHNICAL DRAWING

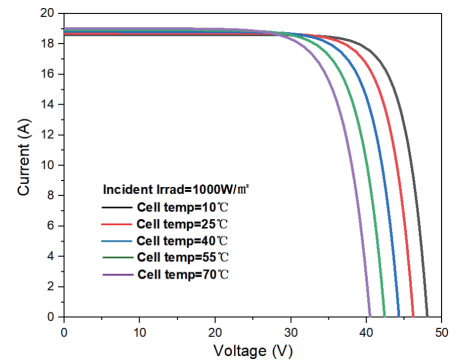


I-V CURVE

I-V characteristics at different irradiance (SP- G12/132H675W)



I-V characteristics at different temperatures (SP- G12/132H675W)



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