



Registered Importer of Solar N Plus

SOLAR N PLUS

TOPCon

TOPcon Bifacial

SP-N16/156HG625-650W

650W

Maximum Power

23.3%

Module Efficiency

0~+5W

Power Tolerance

PRODUCT CHARACTERISTICS



Extra Power Gain



LID "0"



Lower LCOE



Superior Low Irradiance Performance



Lower Temperature Coefficient



Suitable for Multi-type Projects

CERTIFICATION

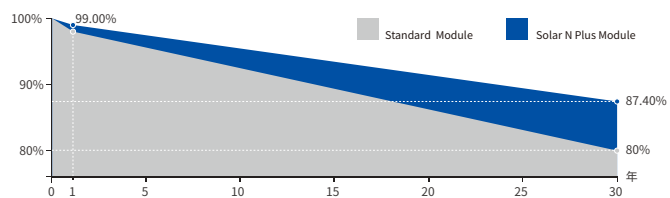


- ISO 9001: 2015/ quality management system
- ISO 14001: 2015/environment management system
- ISO 45001: 2018/occupation health safety management system

INSURANCE



WARRANTY



Guarantee on product material and workmanship



Linear poweroutput warranty



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ELECTRICAL CHARACTERISTICS(STC)

Maximum Power (Pm)	W	625	630	635	640	645	650
Power Tolerance	W	0~+5					
Maximum Power Voltage (Vm)	V	48.76	48.96	49.16	49.36	49.56	49.77
Maximum Power Current (Im)	A	12.82	12.87	12.92	12.97	13.02	13.06
Open Circuit Voltage (Voc)	V	56.85	57.05	57.25	57.45	57.65	57.85
Short Circuit Current (Isc)	A	13.55	13.60	13.65	13.70	13.75	13.79
Module Efficiency (ηm)	%	22.4	22.5	22.7	22.9	23.1	23.3

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

ELECTRICAL CHARACTERISTICS(NMOT)

Maximum Power (Pm)	W	470	474	478	482	486	490
Maximum Power Voltage (Vm)	V	44.71	44.91	45.11	45.31	45.51	45.71
Maximum Power Current (Im)	A	10.52	10.56	10.60	10.64	10.68	10.72
Open Circuit Voltage (Voc)	V	53.74	53.94	54.14	54.34	54.54	54.73
Short Circuit Current (Isc)	A	10.92	10.96	11.00	11.04	11.08	11.12

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

MECHANICAL SPECIFICATIONS

External Dimension (L×W×H)	2465mm×1134mm×30mm
Weight	34kg
Number of Cells	156(6×26)/16BB
Front Glass	2.0mm 2.0mm AR-coating heat-strengthened glass 2.0mm
Rear Glass	2.0mm heat-strengthened glass
Frame	Anodized aluminum alloy, silver color
Junction Box	IP68
Output Cables	4mm ² , 300mm 4mm ² , 300mm or customized length
Connector	MC4 Compatible

工作条件 APPLICATION CONDITIONS

Maximum System Voltage	DC1500V(IEC)
Maximum Series Fuse Rating	25A
Operating Temperature	-40°C~+85°C
Mechanical Load	5400Pa / 2400Pa
Hail Test	Φ25mm, 23 m/s 25mm diameter hail at 23m/s
Application Rating	Class A

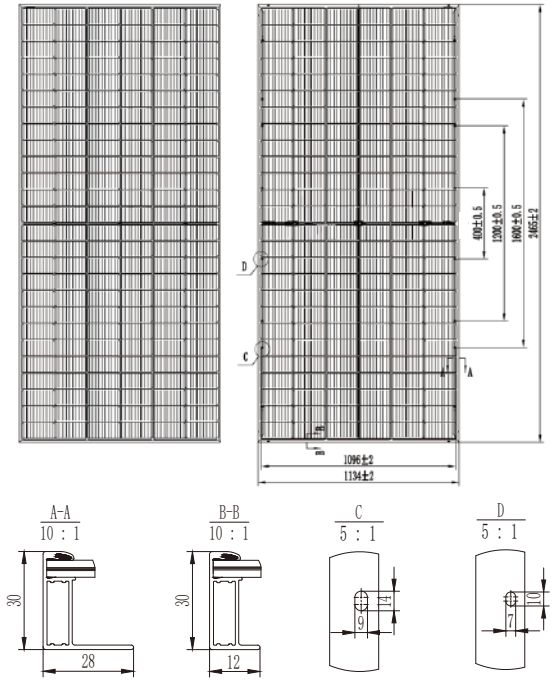
温度系数 TEMP CHARACTERISTICS

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

包装 PACKING CONFIGURATION

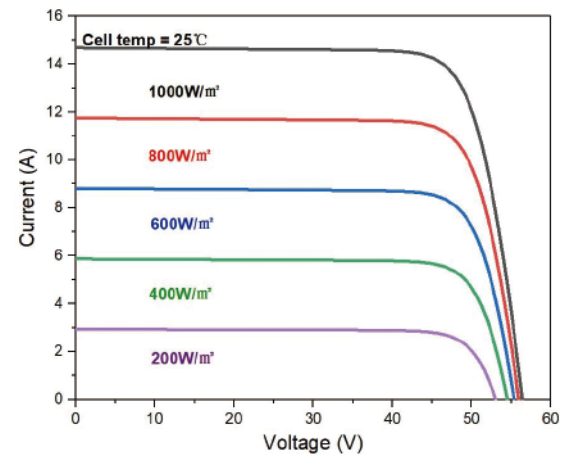
Pieces per Pallet	36/pcs	37/pcs
Packaging box Size 40HC	2522×1145×1260mm	2522×1145×1260mm
13m	576/pcs	592/pcs
17.5m	720/pcs	740/pcs
	864/pcs	888/pcs

TECHNICAL DRAWING



I-V CURVE

I-V characteristics at different irradiance
(SP-N16/156HG650W)



I-V characteristics at different temperatures
(SP-N16/156HG650W)

