BiMAX 6R

600-625W

SP625M-66H

N-Type TOPCon Bifacial Double-Glass Solar Module

23.14%
Max. Module Efficiency

N-Type 182*210mm Cell

Adopting the 182*210mm N-Type TOPCon cells with the highest efficiency.

Bifacial with Double-Glass

Module adopts 182*210mm half cells, bifacial module provide an additional 5%~25% output.

Load Capacity

Mechanical load tests including wind load 2400Pa and snow load 5400Pa done by TUV.

PID Protection

Ensure the attenuation probability caused by PID phenomenon is minimized.

Harsh Environmental Adaptability

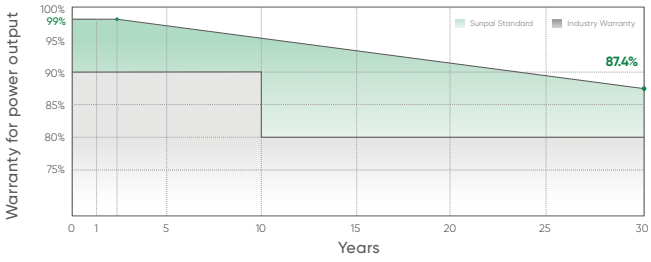
Strict salt spray and ammonia corrosion test by TUV.

Quality Management System and Product Certification

IEC61215/61730, IEC62804(PID), IEC61701(Salt).
IEC62716 (Ammonia), IEC60068-2-68(Sand).
ISO 9001:2015/quality management system.
ISO 14001:2015/environmental management system.
ISO 45001:2018/occupation health safety management system.
ISO 50001:2011/energy management system.
IEC TS 62941-2016/PV industry quality management system.

Quality Guarantee

25 Years Materials Warranty **30 Years** Power Warranty



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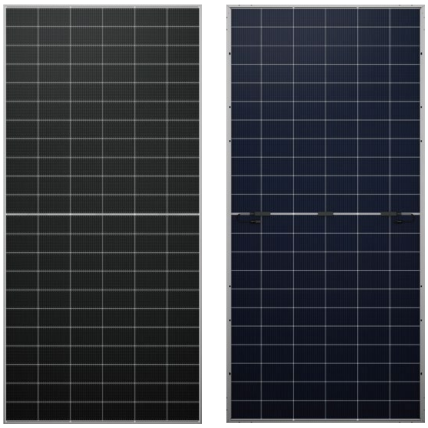
BiMAX 6R

600-625W

Mechanical Characteristics

Weight	33.5kg
Dimensions	2382×1134×30mm
Cell Dimensions	182×210mm
Cell Amount	66×2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Glass Thickness	(F) 2.0mm, Anti-Reflection Coating | (B) 2.0mm, Heat Strengthened Glass
Frame	Aluminum Alloy
Cable	4mm², 300mm in length, length can be customized / UV resistant
Connector	MC4 Compatible
Bifaciality	80±5%
Packing	36pcs/box, 720pcs/40'HQ

Product Image

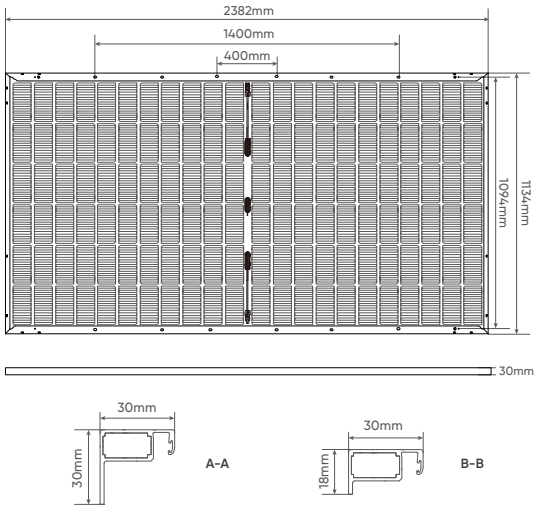


Electrical Parameters (STC*)

Module Type: **SP625M-66H**	600	605	610	615	620	625
Maximum Power (Pmax/W)	600	605	610	615	620	625
Open Circuit Voltage (Voc/V)	48.45	48.75	49.05	49.35	49.55	49.75
Short Circuit Current (Isc/A)	15.78	15.81	15.84	15.88	15.93	16.00
Voltage at Maximum Power (Vmp/V)	40.26	40.46	40.66	40.86	41.06	41.26
Current at Maximum Power (Imp/A)	14.90	14.95	15.00	15.05	15.10	15.15
Module Efficiency (%)	22.21	22.40	22.58	22.77	22.95	23.14

***STC:** Irradiance 1000W/m², cell temperature 25°C, AM=1.5. Tolerance of Pmax is within ±3%.

Drawings



Electrical Parameters (NMOT**)

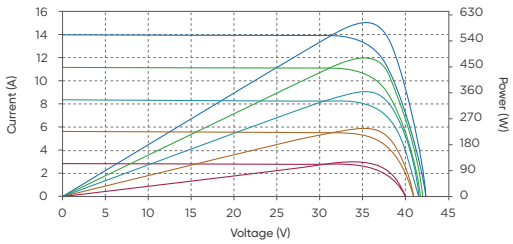
Maximum Power (Pmax/W)	458	461	465	469	472	476
Open Circuit Voltage (Voc/V)	45.91	46.21	46.51	46.81	47.01	47.21
Short Circuit Current (Isc/A)	12.73	12.76	12.78	12.81	12.84	12.88
Voltage at Maximum Power (Vmp/V)	37.80	38.00	38.20	38.40	38.60	38.80
Current at Maximum Power (Imp/A)	12.12	12.13	12.17	12.21	12.23	12.27

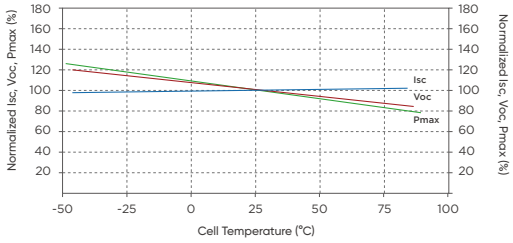
****NMOT:** Under Nominal Module Operating Temperature (NMOT), irradiance of 800W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1m/s.

Electrical Parameters (At 10% Bifacial Power Output)

Output Power (Pmax/W)	660	666	671	677	682	688
Open Circuit Voltage (Voc/V)	48.45	48.75	49.05	49.35	49.55	49.75
Short Circuit Current (Isc/A)	17.34	17.38	17.43	17.47	17.52	17.57
Voltage at Maximum Power (Vmp/V)	40.26	40.46	40.66	40.86	41.06	41.26
Current at Maximum Power (Imp/A)	16.39	16.46	16.50	16.57	16.61	16.67

Characteristics (SP610M-66H-610W)





Temperature Characteristics

NMOT	41±3°C
Temp. Coefficient of Voc	-0.25%/°C
Temp. Coefficient of Isc	+0.046%/°C
Temp. Coefficient of Pmax	-0.30%/°C

Maximum Rating

Output Tolerance	0~+5W
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400Pa/5400Pa
Fuse Current	25A

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Three Phase String Inverter

SUN-60/70/75/80K-G

- 4 MPP trackers, Max. efficiency up to 98.7%
- Zero export application, VSG application
- String intelligent monitoring (optional)
- Wide output voltage range
- Anti-PID function (Optional)
- Type II DC/AC SPD

Deye

Stock Code: 605117.SH

Technical Data

Model	SUN-60K-G	SUN-70K-G	SUN-75K-G	SUN-80K-G
PV String Input Data				
Max. PV Input Power (kW)	78	91	97.5	104
Max. PV Input Voltage (V)	1000			
Start-up Voltage (V)	250			
MPPT Voltage Range (V)	200-850			
Rated PV Input Voltage (V)	600			
Max. Operating PV Input Current (A)	40+40+40+40			
Max. Input Short Circuit Current (A)	60+60+60+60			
No. of MPP Trackers/ No. of Strings per MPP Tracker	4/3+3+3+3	4/4+4+4+4		
AC Output Side				
Rated AC Output Active Power (kW)	60	70	75	80
Max. AC Output Apparent Power (kVA)	66	77	82.5	88
Rated AC Output Current (A)	90.9/87	106.1/101.5	113.6/108.7	121.2/115.9
Max. AC Output Current (A)	100/95.7	116.7/111.6	125/119.6	133.3/127.5
Rated Output Voltage/Range (V)	220/380V, 230/400V 0.85Un-1.1Un			
Grid Connection Form	3L/N/PE			
Rated Output Grid Frequency/Range(Hz)	50/45-55, 60/55-65			
Power Factor Adjustment Range	0.8 leading to 0.8 lagging			
Total Current Harmonic Distortion THDi	<3%			
DC Injection Current	<0.5%In			
Efficiency				
Max. Efficiency	98.6%	98.7%		
Euro Efficiency	98.0%	98.1%		
MPPT Efficiency	>99%			
Equipment Protection				
DC Polarity Reverse Connection Protection	Yes			
AC Output Overcurrent Protection	Yes			
AC Output Overvoltage Protection	Yes			
AC Output Short Circuit Protection	Yes			
Thermal Protection	Yes			
DC Terminal Insulation Impedance Monitoring	Yes			
DC Component Monitoring	Yes			
Ground Fault Current Monitoring	Yes			
Power Network Monitoring	Yes			
Island Protection Monitoring	Yes			
Earth Fault Detection	Yes			
Overvoltage Load Drop Protection	Yes			
Residual Current (RCD) Detection	Yes			
Surge Protection Level	TYPE II(DC), TYPE II(AC)			
Interface				
Communication Interface	RS485/RS232			
Monitor Mode	GPRS/WIFI/Bluetooth/4G/LAN(optional)			
General Data				
Operating Temperature Range (°C)	-25 to +60°C, >45°C Derating			
Permissible Ambient Humidity	0-100%			
Permissible Altitude (m)	4000m			
Noise (dB)	≤50	≤55		
Ingress Protection(IP) Rating	IP 65			
Inverter Topology	Non-Isolated			
Over Voltage Category	OVC II(DC), OVC III(AC)			
Cabinet Size (WxHxD mm)	700×575×297 (Excluding Connectors and Brackets)			
Weight (kg)	60			
Warranty	5 Years			
Type of Cooling	Intelligent Air Cooling			
Grid Regulation	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105			
Safety EMC/Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2			

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