

BiMAX 6R

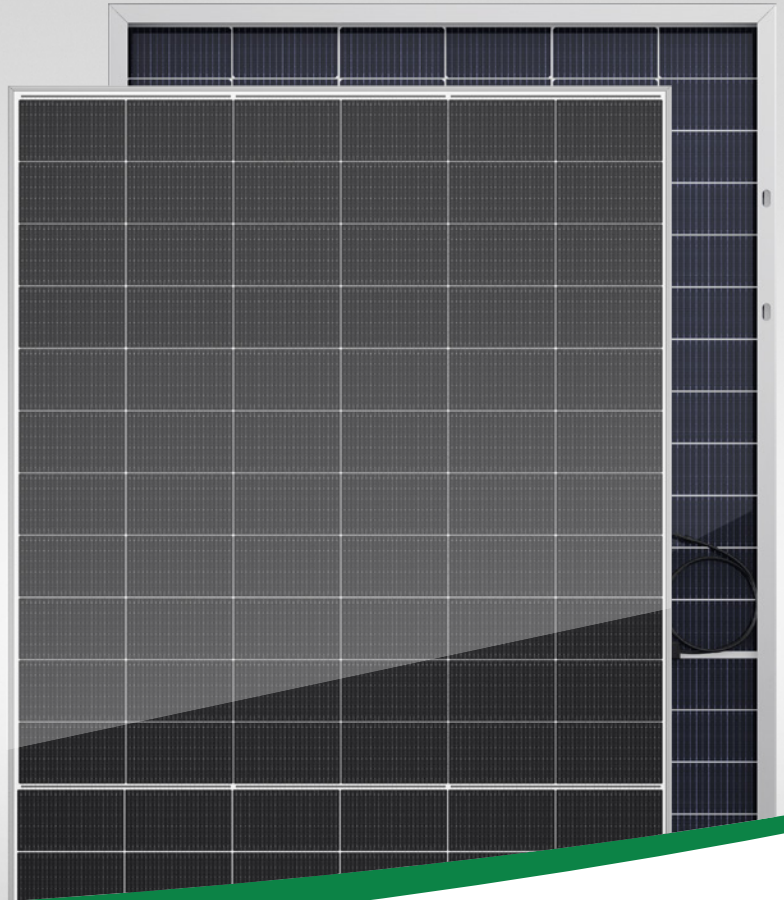
610~630W

210x182mm16BB 132Cells
Double Glass Bifacial N Type
Mono Half Cell PV Module Series

N TYPE

23.30%

Max. Module Efficiency



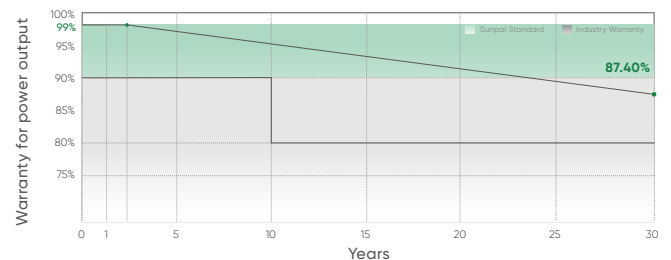
Sunpal N Type Linear Warranty

25 Years

Materials Warranty

30 Years

Power Warranty



SMBB Technology
Half Cut N Type Cell



High Energy
Performance



100% Inspection
30years Guarantee



Fire Class A

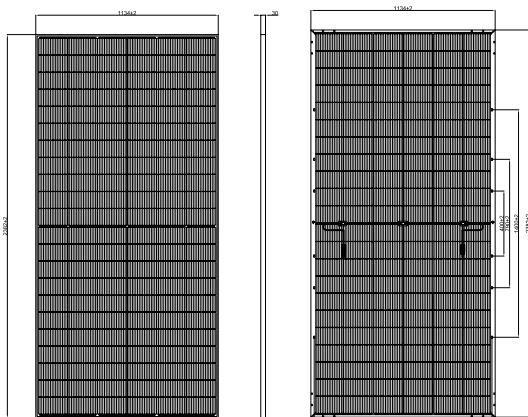


Strengthened
Mechanical Load



Anti PID

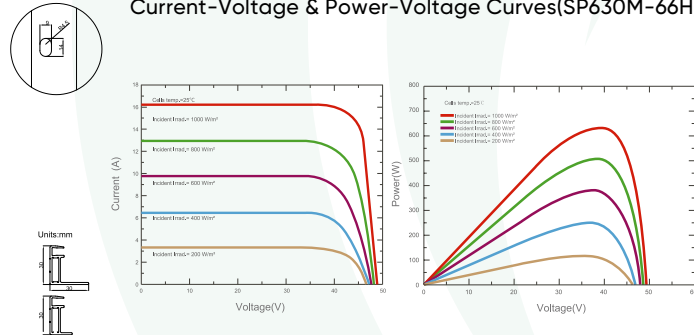
BiMAX 6R 610~630W



All Dimensions in mm

The above drawing is a graphical representation of the product,

Current-Voltage & Power-Voltage Curves(SP630M-66H)



Electrical Characteristics(STC/NMOT)

Module Type	SP610M-66H		SP615M-66H		SP620M-66H		SP625M-66H		SP630M-66H	
Test Conditions	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power- Pmax(W)	610	460.7	615	464.4	620	468.2	625	471.9	630	475.7
Open Circuit Voltage - Voc(V)	48.70	46.24	48.90	46.43	49.10	46.62	49.30	46.81	49.50	47.00
Short- Circuit Current - Isc(A)	15.95	12.88	16.01	12.93	16.07	12.98	16.13	13.03	16.19	13.08
Voltage at Pmax -Vmp(V)	40.48	37.92	40.62	38.10	40.76	38.25	40.91	38.42	41.04	38.59
Current at Pmax -Imp(A)	15.07	12.15	15.14	12.19	15.21	12.24	15.28	12.28	15.35	12.33
Module Efficiency -nm(%)	22.60	/	22.80	/	23.00	/	23.10	/	23.30	/

Power Tolerance(W)

(0, +5W)

Maximum System Voltage(V)

1500Vdc (IEC/UL)

Maximum Series Fuse Rating (A)

30A

*STC :Irradiance 1000W/m²,Cell Temperature 25°C, Air Mass 1.5

*NMOT : Irradiance 800W/m²,Ambient Temperature 20°C, Air Mass1.5, Wind Speed 1m/s

*Measurement tolerance: ±3% *Power binning up to: +3%

Mechanical Specifications

External Dimensions	2382x1134x30mm
Weight	32.4kg
Solar Cells	N-Type 16BB 182x105mm (2x66pcs)
Front Glass	AR Coated 2+2mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm²,1200mm(+),1200mm(-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max.2400Pa

Temperature characteristics

Pmax Temperature Coefficient	-0.290%/°C
Voc Temperature Coefficient	-0.250%/°C
Isc Temperature Coefficient	+0.045%/°C
Operating Temperature Range	-40~+85°C
Nominal Operating Cell Temperature(NOCT)	45±2°C

Bifacial Output Rear Side Power Gain

*Take SP630M-66H as an example.

Power Gain	5%	10%	20%
Maximum Power- Pmax(W)	661.5	693.0	756.0
Open Circuit Voltage - Voc(V)	49.50	49.50	49.50
Short- Circuit Current - Isc(A)	16.81	17.60	19.20
Voltage at Pmax -Vmp(V)	41.04	41.04	41.04
Current at Pmax -Imp(A)	16.12	16.89	18.42

Packing configuration

Pallet Dimensions	1164x1140x2495mm		
Ways of Transport	40'HQ	13.5m Flatbed Truck	17.5m Flatbed Truck
Pieces per Pallet	37 Pcs	36 Pcs	36 Pcs
Pallets per Container	20 Pallets	16 Pallets	25 Pallets
Pieces per Container	740 Pcs	576 Pcs	900 Pcs