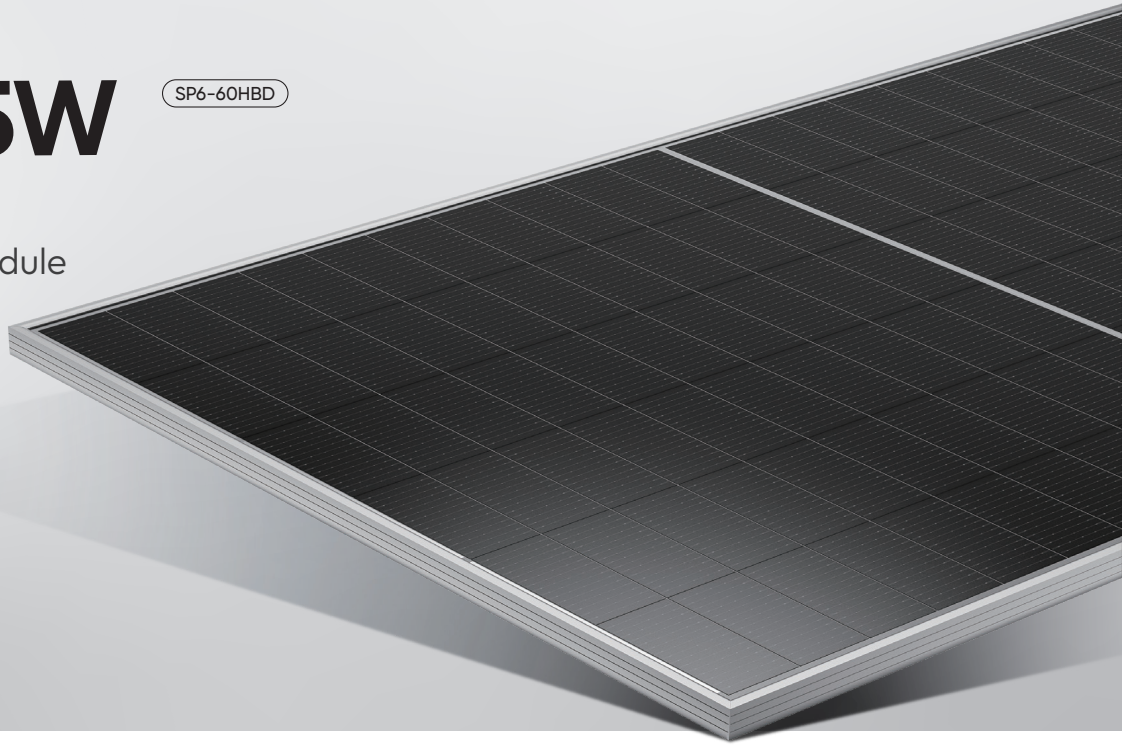


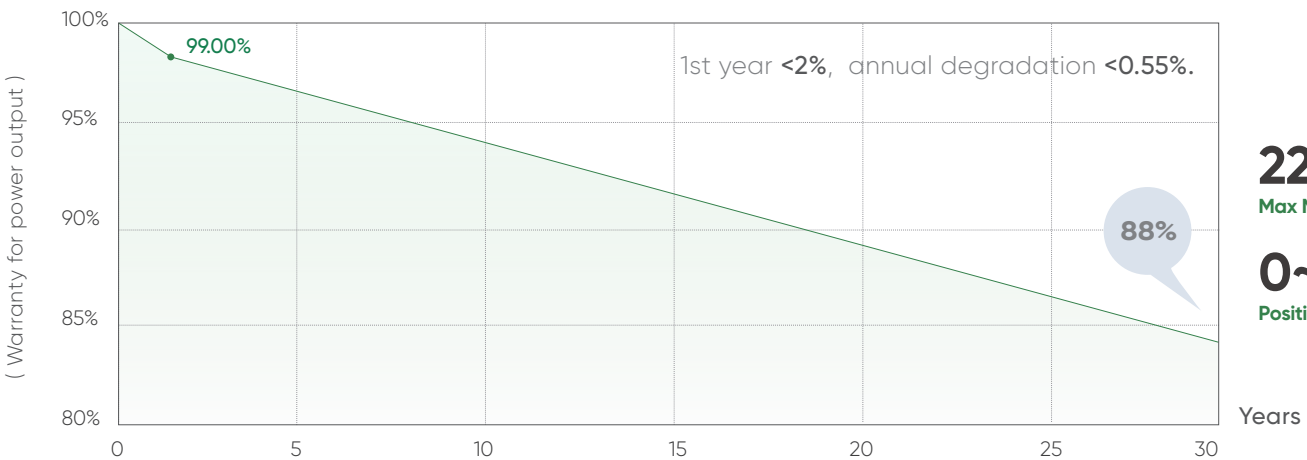
**6N BiMAX****625-645W**

SP6-60HBD

Bifacial HJT Half Cell  
Double-glass Solar Module**Quality Guarantee**

25 year Materials Warranty

30 year Power Warranty

**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.



\* Specifications subject to technical changes and tests. Sunpal Solar reserves the right of interpretation.

**HJT 2.0 Technology**Combining gettering process and single-side  $\mu\text{c-Si}$  technology to ensure higher cell efficiency and higher module power.**-0.26%/°C Pmax temperature coefficient**

More stable power generation performance and even better in hot climate.

**SMBB design with Half-Cut Technology**

Shorter current transmission distance, less resistive loss and higher cell efficiency.

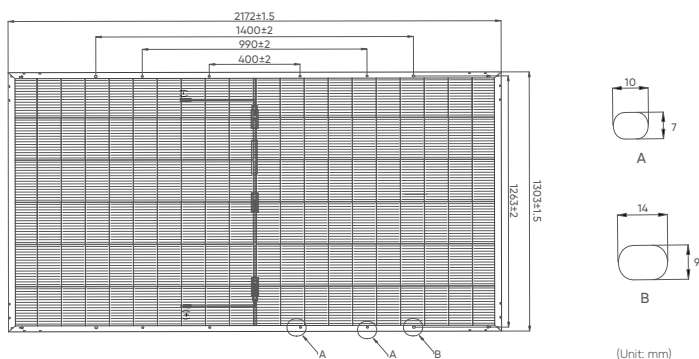
**Up to 90% Bifaciality**

Natural symmetrical bifacial structure bringing more energy yield from the backside.

**Sealing with PIB based sealant**

Stronger water resistance, greater air impermeability to extent module lifespan.

Design (mm)



Solar Cells	HJT Mono 210×105mm
No. of Cells	120 (6×20)
Dimensions	2172 × 1303 × 35mm
Weight	35.3kg
Glass Thickness	(F) 2.0mm anti-reflective solar glass   (B) 2.0mm solar glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Output Cables	4mm <sup>2</sup> , 300mm in length, length can be customized / UV resistant
Connectors	MC4 original / MC4 compatible
Mechanical load test	5400Pa
Packaging	31pcs/box, 558pcs/40'HQ

Temperature Characteristics

NMOT (Nominal Module Operating Temperature)	44°C(±2°C)
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	+0.04%/°C
Temperature Coefficient of Pmax	-0.26%/°C

Operating Characteristics

Operating Module Temperature	-40°C ~ +85°C
Maximum System Voltage	DC 1500 (IEC)
Maximum Series Fuse Rating	30A
Power Tolerance	0~+5W
Bifaciality	85%±5%

Electrical Parameters (STC\*)

Module Type: SP6-60HBD	625	630	635	640	645
Maximum Power (Pmax/W)	625	630	635	640	645
Module Efficiency (%)	22.08	22.26	22.44	22.61	22.79
Optimum Operating Voltage (Vmp/V)	37.86	38.03	38.19	38.35	38.51
Optimum Operating Current (Imp/A)	16.51	16.57	16.63	16.69	16.75
Open Circuit Voltage (Voc/V)	45.13	45.30	45.48	45.65	45.82
Short Circuit Current (Isc/A)	17.31	17.37	17.43	17.49	17.55

BSTC\*

Maximum Power (Pmax/W)	690	695	700	705	710
Optimum Operating Voltage (Vmp/V)	37.86	38.03	38.19	38.35	38.51
Optimum Operating Current (Imp/A)	18.23	18.28	18.33	18.39	18.44
Open Circuit Voltage (Voc/V)	45.13	45.30	45.48	45.65	45.82
Short Circuit Current (Isc/A)	19.11	19.16	19.21	19.27	19.32

\*STC: Irradiance 1000 W/m<sup>2</sup>, cell temperature 25°C, AM=1.5. Tolerance of Pmax is within +/- 3%.

\*BSTC: Front side irradiation 1000W/m<sup>2</sup>, back side reflection irradiation 135W/m<sup>2</sup>, AM=1.5, ambient temperature 25°C.

I-V Curve

