

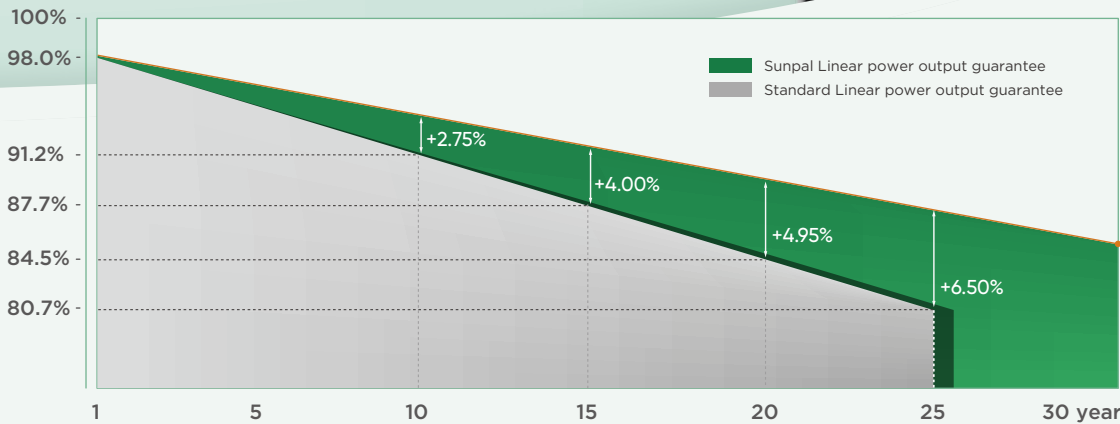
**BiMAX 4** Bifacial Double Glass/Transparent Backsheet

# 355~385W

**High Efficiency**  
**Low LID Bifacial PERC with**  
**MBB & Half-cut Technology**

## Quality Guarantee

12-year material & technology warranty  
30-year linear power output warranty



84.95%

**21.14%**

Max Module Eff.

**0~+5W**

Positive Tolerance

### Front side performance equivalent to conventional low LID mono PERC:

- > High module conversion efficiency (up to 21.14%)
- > Better energy yield with excellent low irradiance performance and temperature coefficient
- > First year power degradation < 2%

**Bifacial technology** enables additional energy harvesting from rear side (up to 25%)

**Glass/glass lamination** ensures 30 year product lifetime, with annual power degradation < 0.45%, 1500V compatible to reduce BOS cost

**Solid PID resistance** ensured by solar cell process optimization and careful module BOM selection

**Reduced resistive loss** with lower operating current

**Higher energy yield** with lower operating temperature

**Reduced hot spot risk** with optimized electrical design and lower operating current

### Complete System and Product Certifications

- IEC 61215, IEC 61730, UL 61730
- ISO 9001:2008: ISO Quality Management System
- ISO 14001: 2004: ISO Environment Management System
- OHSAS 18001: 2007 Occupational Health and Safety



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



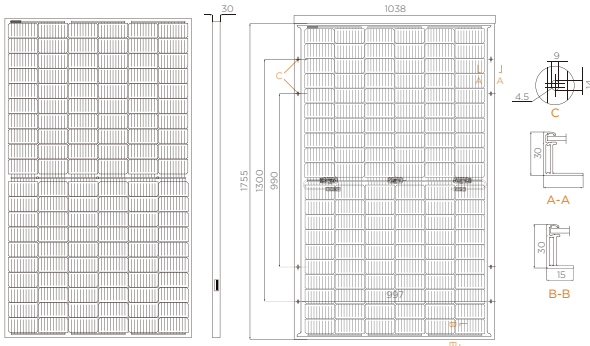
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**Design (mm)**



\*Units: mm \*Tolerance: ±2mm

<b>Cell Orientation</b>	120 (6x20)
<b>Junction Box</b>	IP68, three diodes
<b>Output Cable</b>	4mm <sup>2</sup> , 300mm in length, length can be customized
<b>Glass</b>	Double/Single glass 2.0/3.2mm coated tempered
<b>Frame</b>	Anodized aluminum alloy frame
<b>Weight:</b>	23.3kg
<b>Dimension</b>	1755x1038x30/35mm
<b>Packaging</b>	30pcs per pallet 180pcs per 20'GP 780pcs per 40'GP

<b>Operational Temperature</b>	-40°C~+85°C
<b>Power Output Tolerance</b>	0~+5W
<b>Voc &amp; Isc Tolerance</b>	±3%
<b>Max. System Voltage</b>	DC1500V(IEC/UL)
<b>Max. Series Fuse Rating</b>	20A
<b>NOCT</b>	45±2°C
<b>Safety Class</b>	II
<b>Fire Rating</b>	UL type 3
<b>Bifaciality</b>	Glazing 70±5%
<b>Max. Static Load(Front)</b>	5400Pa
<b>Max. Static Load(Back)</b>	2400Pa

**Electrical Characteristics**

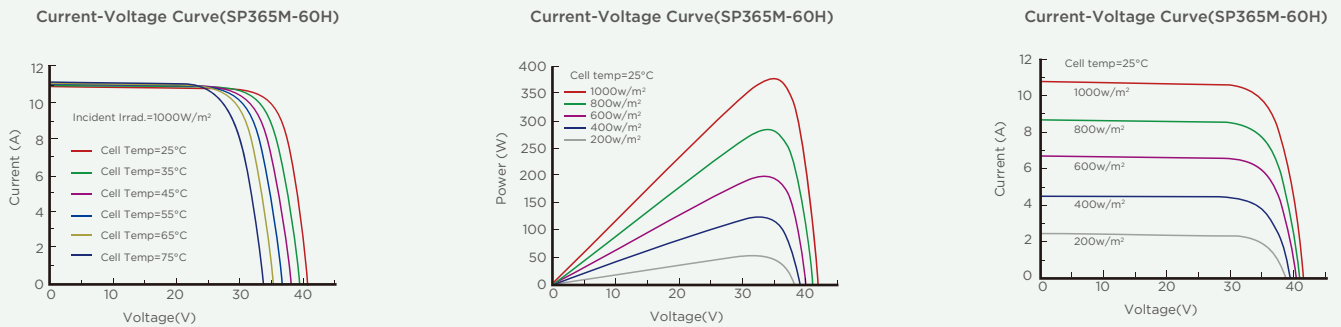
Model Number	SP355M-60H		SP360M-60H		SP365M-60H		SP370M-60H		SP375M-60H		SP380M-60H		SP385M-60H	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
<b>Maximum Power (Pmax/W)</b>	355	269	360	273	365	277	370	281	375	285	380	289	385	293
<b>Open Circuit Voltage (Voc/V)</b>	40.4	38.2	40.7	38.5	41	38.8	41.3	39.1	41.6	39.4	41.9	39.7	42.2	40
<b>Short Circuit Current (Isc/A)</b>	11.16	8.99	11.23	9.05	11.3	9.11	11.37	9.17	11.44	9.23	11.51	9.29	11.58	9.35
<b>Voltage at Maximum Power (Vmp/V)</b>	33.4	31.6	33.7	31.9	34	32.2	34.3	32.5	34.6	32.8	34.9	33.1	35.2	33.4
<b>Current at Maximum Power (Imp/A)</b>	10.63	8.52	10.69	8.56	10.74	8.61	10.79	8.65	10.84	8.69	10.89	8.74	10.94	8.78
<b>Module Efficiency(%)</b>	19.49		19.77		20.04		20.32		20.59		20.86		21.14	
<b>Temperature Coefficient of Isc</b>														
<b>Temperature Coefficient of Voc</b>														
<b>Temperature Coefficient of Pmax</b>														

\* STC (Standard Testing Conditions): Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Spectra at AM1.5  
 \* NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/S  
 \*Test uncertainty for Pmax: ±3%

**Electrical characteristics with different rear side powerin (reference to 365W front)**

Pmax/W	Vmp/V	Imp/A	Voc/V	Isc/A	Pmax gain
384	34	11.29	41.1	11.87	5%
402	34	11.82	41.2	12.43	10%
420	34	12.35	41.3	13.00	15%
438	34	12.88	41.4	13.56	20%
457	34	13.44	41.5	14.13	25%

**I-V Curve**



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 \*CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.  
 \*Specifications included in this datasheet are subject to change without notice.



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