

SunBravo PM060MW6

Mono-Crystalline Photovoltaic Module



Power Range
340 ~ 360 Wp



Multi-Busbar Design
Enhanced module power output and reliability



Strong Wind Resistance
Dynamic mechanical loading 4 times higher than the IEC requirement



PID-Resistance
Certified high PID resistance passing 1000-hour tough environmental test



Superior Weak Light Performance
Improved absorption of long wavelength light



Enhanced Salt Mist and Humidity Resistance
12 times more salt-mist resistant and 40% more moisture exclusion



SunBravo PM060MW6 (340 ~ 360 Wp)

Electrical Data (STC)

Nominal Power P_N	340W	345W	350W	355W	360W
Module Efficiency	19.3%	19.5%	19.8%	20.1%	20.4%
Nominal Voltage V_{mp} (V)	33.75	34.01	34.26	34.52	34.78
Nominal Current I_{mp} (A)	10.08	10.15	10.22	10.29	10.36
Open Circuit Voltage V_{oc} (V)	39.82	40.10	40.38	40.66	40.94
Short Circuit Current I_{sc} (A)	10.73	10.75	10.78	10.83	10.88
Maximum Tolerance of P_N	0 / +3%				

* Above data are the effective measurement at Standard Test Conditions (STC)
 * STC: irradiance 1000 W/m², spectral distribution AM 1.5, temperature 25 ± 2 °C, in accordance with EN 60904-3
 * Measurement tolerances: STC ± 3 %

Electrical Data (NMOT)

Nominal Power P_N	256W	260W	263W	267W	271W
Nominal Voltage V_{mp} (V)	31.80	32.00	32.20	32.50	32.70
Nominal Current I_{mp} (A)	8.06	8.12	8.17	8.23	8.29
Open Circuit Voltage V_{oc} (V)	37.90	38.20	38.40	38.70	39.00
Short Circuit Current I_{sc} (A)	8.67	8.69	8.71	8.75	8.79

* Above data are the effective measurement at Nominal Module Operating Temperature (NMOT)
 * NMOT irradiance 800 W/m², AM 1.5, air temperature 20 degree, wind speed 1 m/s

Temperature Coefficient

NMOT	41 ± 2 °C
Typ. Temperature Coefficient of P_N	-0.37% / °C
Typ. Temperature Coefficient of V_{oc}	-0.30% / °C
Temperature Coefficient of I_{sc}	0.06% / °C

Mechanical Characteristics

Dimensions (L x W x H)	1728 x 1022 x 40mm (68.03 x 40.23 x 1.57 in)*
Weight	20.6 kg (45.41 lbs)
Front Glass	High transparent solar glass (tempered), 3.2 mm (0.13 in)
Cell	60 monocrystalline half-cut solar cells (120 pcs)
Back Sheet	Composite film
Frame	Anodized aluminum frame
Junction Box	IP-68 rated with 3 bypass diodes
Connector Type	1000V : MC4 KST4 ; KBT4-1 x 4 mm ² (0.04 x 0.16 in ²)

* Module Dimension (L x W) Tolerance: ± 2 mm (0.079 in)

Operating Conditions

Operating Temperature	-40 ~ +85 °C
Ambient Temperature Range	-40 ~ +45 °C
Max. System Voltage	1000 V
Serial Fuse Rating	20 A
Front / Rear Test Load	6000 Pa / 5400 Pa
Max. Dynamic Mechanical Load	4800 Pa
Safety Class	II

Warranties and Certifications

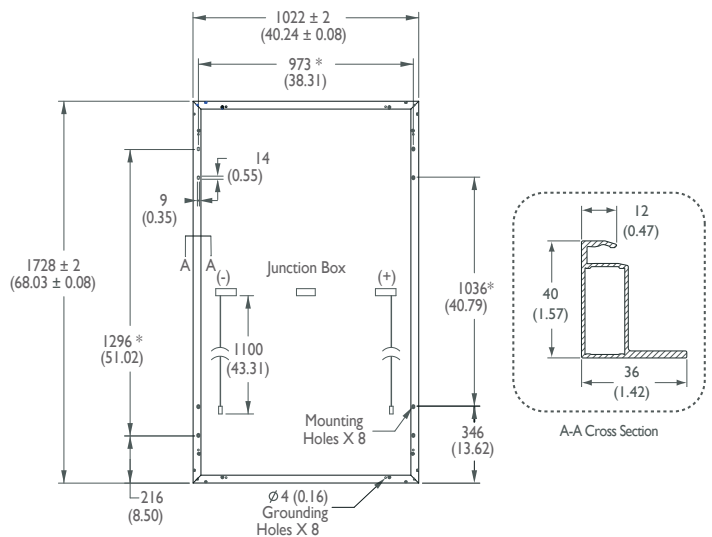
Product Warranty	Maximum 15 years for material and workmanship
Performance Guarantee	Guaranteed linear degradation to 85% for 25 years *1
Certifications	According to IEC/EN 61215 and IEC/EN 61730 guidelines *2

*1: Please refer to warranty letter for detail
 *2: Please confirm other certifications with official dealers

Packing Configuration

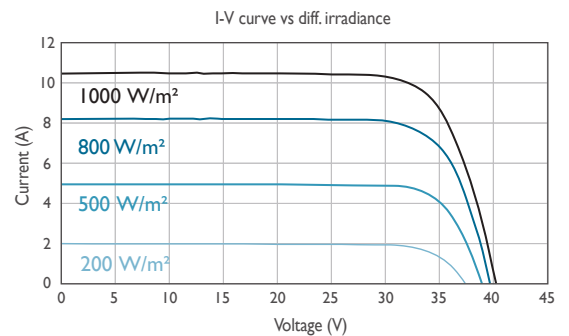
Container	20' GP	40' GP	40' HQ
Pieces per Pallet	26	26	26
Pallets per Container	6	13	26
Pieces per Container	156	338	676

Dimensions mm (inch)



* Distance between two Mounting Holes
 → Grounding Holes

I-V Curve



Current/voltage characteristics with dependence on irradiance and module temperature.

This datasheet complies with the EN 50380 requirements.



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About AUO Optronics

AUO Optronics (AUO) is one of the world's leading providers of optoelectronic solutions. In addition to its strengths in product and technological innovation, AUO stresses its commitment to going green and to utilizing manufacturing excellence to develop reliable and high quality energy solutions for residential, commercial, and utility segments.

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