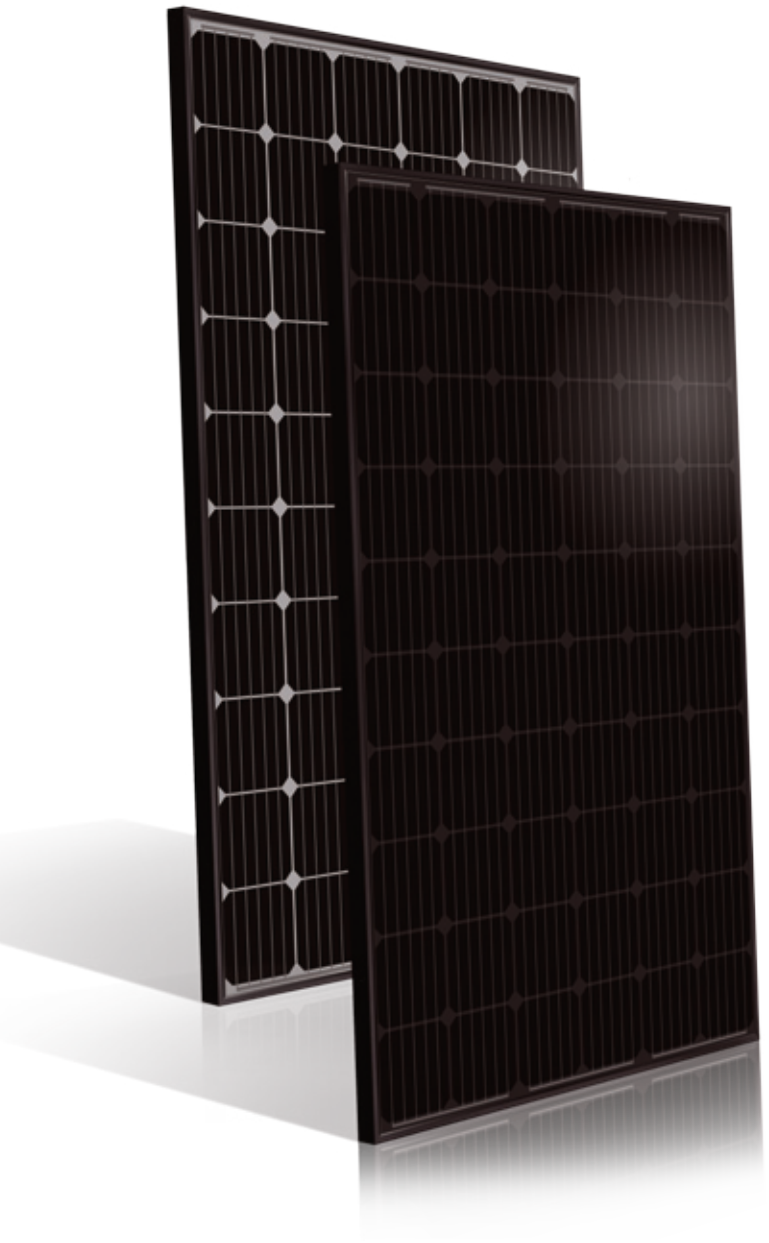
SunVivo
PM060MW2 / PM060MB2

Mono-Crystalline Photovoltaic Module



Power Range
290 ~ 310 Wp

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

Ammonia Test
Reliable in ammonia rich environment

ICIM

MADE IN EUROPE

MADE IN TAIWAN

SunVivo PM060MW2 / PM060MB2 (290 ~ 310 Wp)

Electrical Data (STC)

Nominal Power P_N	290W	295W	300W	305W	310W
Module Efficiency	17.8%	18.1%	18.4%	18.7%	19.1%
Nominal Voltage V_{mp} (V)	32.3	32.6	32.7	32.9	33.1
Nominal Current I_{mp} (A)	8.99	9.05	9.18	9.28	9.38
Open Circuit Voltage V_{OC} (V)	39.7	39.8	39.9	40.2	40.5
Short Circuit Current I_{SC} (A)	9.57	9.63	9.80	9.91	10.02
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
- Black back sheet (PM060MB2) is utilized for 290W & 300W; white back sheet (PM060MW2) is for 295W - 310W

Electrical Data (NOCT)

Nominal Power P_N	212W	217W	220W	224W	228W
Nominal Voltage V_{mp} (V)	29.5%	29.8%	29.9%	30.1%	30.3%
Nominal Current I_{mp} (A)	7.20	7.29	7.38	7.48	7.54
Open Circuit Voltage V_{OC} (V)	36.8	37.0	37.1	37.3	37.6
Short Circuit Current I_{SC} (A)	7.70	7.79	7.93	8.02	8.11

- Above data are the effective measurement at Normal Operation Cell Temperature (NOCT)
- NOCT:irradiance 800 W/m², AM 1.5, air temperature 20 °C, wind speed 1 m/s

Temperature Coefficient

NOCT	46 ± 2 °C
Typ. Temperature Coefficient of P_N	-0.42% / K
Typ. Temperature Coefficient of V_{OC}	-0.30% / K
Temperature Coefficient of I_{SC}	0.05% / K

Mechanical Characteristics

Dimensions (L x W x H)	1640 x 992 x 40 mm (64.57 x 39.05 x 1.57 in) *
Weight	18.5 kg (40.79 lbs)
Front Glass	High transparent solar glass (tempered), 3.2 mm (0.13 in)
Cell	60 monocrystalline solar cells
Back Sheet	Composite film
Frame	Anodized aluminum frame
Junction Box	IP-68 rated with 3 bypass diodes
Connector Type	MC4 KST4/KBT4: 1 x 4 mm² (0.04 x 0.16 in²)

* 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 / 1500 V
Serial Fuse Rating	15 A
Max. Snow / Wind Load	5400 Pa / 2400 Pa
Max. Dynamic Mechanical Load	4000 Pa

Warranties and Certifications

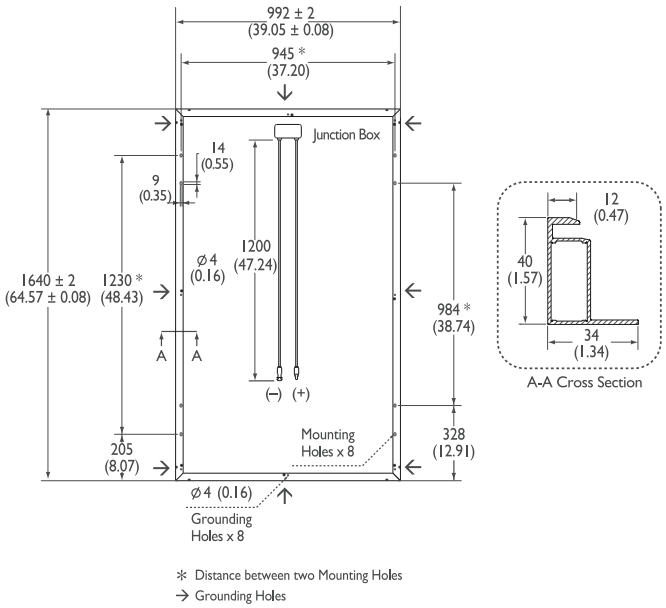
Product Warranty	Maximum 15 years for material and workmanship
Performance Guarantee	Guaranteed linear degradation to 80% for 25 years *1
Certifications	According to IEC/EN 61215, IEC/EN 61730 and UL 1703 guidelines *2

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

Packing Configuration

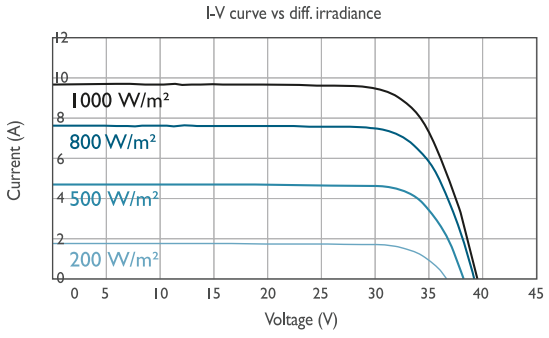
Container	20' GP	40' GP	40' HQ
Pieces per Pallet	26	26	26
Pallets per Container	6	14	28
Pieces per Container	156	364	728

Dimensions mm (inch)



* Distance between two Mounting Holes
→ Grounding Holes

I-V Curve



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

About AU Optronics

AU Optronics (AUO) is a leading global manufacturer of TFT-LCD committed to providing green solutions to its worldwide customers in a manner that is sustainable and friendly to the environment. In addition to its strengths in product and technological innovation, AUO stresses its commitment to going green and to utilizing manufacturing excellence to develop high efficiency solar solutions for residential, commercial, and utility segments.

AU Optronics Corporation
No. 1, Li-Hsin Rd. 2, Hsinchu Science Park, Hsinchu 30078, Taiwan
Tel: +886-3-500-8899 solar.AUO.com