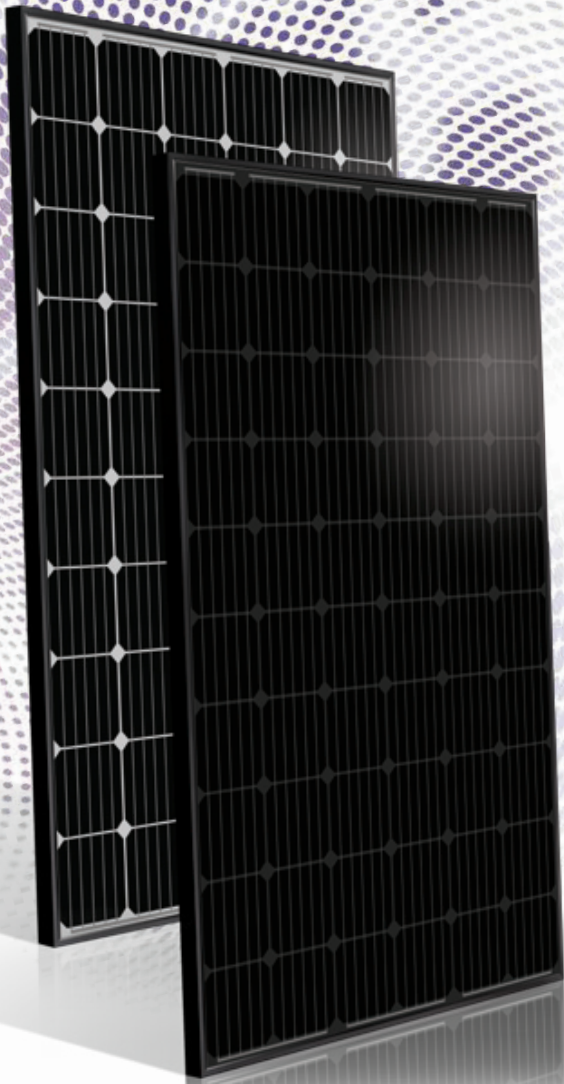


SunVivo

PM060MW2 / PM060MB2

Mono-Crystalline Photovoltaic Module



290W
310W

Power Range
290 ~ 310 Wp



Highly Strengthened Design
Module complies with advanced loading tests to meet 5400 Pa loading requirements



PID-Resistance
Certified high PID resistance, passed tough environmental test during 1000hrs



Superior Weak Light Performance
Improved absorption of long wavelength light



Flammability Test
Low ignitability ensuring fire safety



Resistance to Salt Corrosion and Humidity
Module complies with IEC 61701: Salt Mist Corrosion Testing



Ammonia Test
Reliable in ammonia rich environment



BenQ
Solar

SunVivo PM060MW2 / PM060MB2 (290 ~ 310 W_p)

Electrical Data

| Typ. Nominal Power P _N | 290W | 295W | 300W | 305W | 310W |
|--|---------|-------|-------|-------|-------|
| Typ. Module Efficiency | 17.8% | 18.1% | 18.4% | 18.7% | 19.1% |
| Typ. Nominal Voltage V _{mp} (V) | 32.3 | 32.6 | 32.7 | 32.9 | 33.1 |
| Typ. Nominal Current I _{mp} (A) | 8.99 | 9.05 | 9.18 | 9.28 | 9.38 |
| Typ. Open Circuit Voltage V _{oc} (V) | 39.7 | 39.8 | 39.9 | 40.2 | 40.5 |
| Typ. 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

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 |

* NOCT: Normal Operation Cell Temperature, measuring conditions: irradiance 800 W/m², AM 1.5, air temperature 20 °C, wind speed 1 m/s

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 & Cables | MC KST4/KBT4: 1 x 4 mm ² (0.04 x 0.16 in ²), Length: each 1.2 m (47.24 in) |

Operating Conditions

| | |
|-------------------------------|---|
| Operating Temperature | -40 ~ +85 °C |
| Ambient Temperature Range | -40 ~ +45 °C |
| Max. System Voltage IEC/UL | 1000 V / 1000 V |
| Serial Fuse Rating | 15 A |
| Maximum Surface Load Capacity | Tested up to 5400 Pa according to IEC 61215 (advanced test) |

Warranties and Certifications

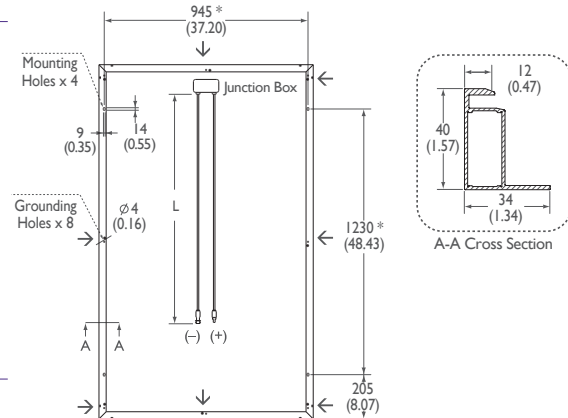
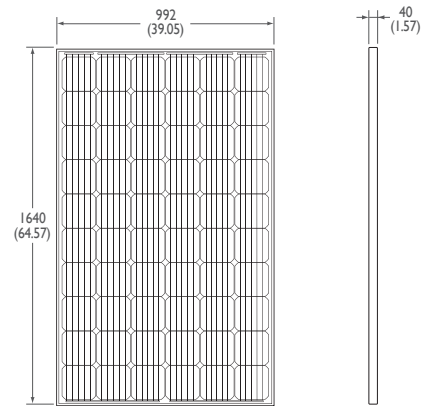
| | |
|-----------------------|---|
| Product Warranty | Maximum 15 years for material and workmanship |
| Performance Guarantee | Guaranteed linear degradation to 80% for 25 years *1 |
| Certifications | According to IEC/EN 61215, IEC/EN 61730 and UL 1703 guidelines *2 |

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

Packing Configuration

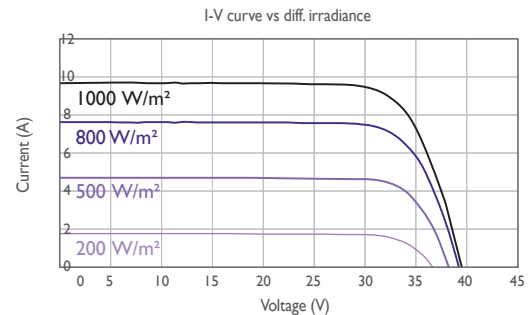
| Container | 20' GP | 40' GP | 40' HQ |
|-----------------------|--------|--------|--------|
| Pieces per Pallet | 26 | 26 | 26 |
| Pallets per Container | 6 | 14 | 28 |
| Pieces per Container | 156 | 364 | 728 |

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.



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