AC Unison
PM250MA0

Photovoltaic Module with Microinverter

255Wp

High and Stable Energy Output

Harvests 5 to 25% more energy than traditional systems

Module level monitoring

Designed for 25-year reliability

Economic

Modular flexibility suits any budget or rooftop

Simplified PV system reduces installation costs

Safe

No high voltage DC means safe installation and ownership

State-of-the-art PV Module

Module complies with advanced loading tests to meet 5400 Pa loading requirements

Superior performance under weak light conditions such as dawn, dusk, and cloudy days

Enhance current transmission and module reliability

BenQ Solar

AC Unison PM250MA0 255Wp

AC Electrical Data

Maximum Continuous Power Output	225 W
Nominal Voltage	240 V
Nominal Frequency	60 Hz
Nominal Output Current	0.9375 A
Nominal Operating Voltage Range	211 ~ 264 V
Nominal Operating Frequency	59.3 ~ 60.5 Hz
Total Harmonic Distortion	< 5%
Maximum Units per 20A Branch	17 pcs
CEC Weighted Efficiency	94.50%
Peak Inverter Efficiency	95.50%

DC Temperature Coefficient

NOCT	46 ± 2 °C
Typ. Temperature Coefficient of P_N	-0.48% / K
Typ. Temperature Coefficient of V_{OC}	-0.36% / K
Temperature Coefficient of I_{SC}	0.03% / K

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

DC Electrical Data

Nominal Power Output	255 W
Power Tolerance	0 / +3%

Mechanical Characteristics

Dimensions (L x W x H)	Overall module: 1651 x 992 x 40 mm (65.00 x 39.06 x 1.57 in) Height at Inverter location: 62 mm (2.44 in)
Weight	22 kg (48.50 lbs)
Front Glass	High transparent solar glass (tempered), 3.2 mm (0.13 in)
Cell	60 monocrystalline solar cells, 156 x 156 mm (6 x 6 in)
Cell Encapsulation	EVA
Back Sheet	Composite film, black
Frame	Anodized aluminum frame
AC cable length	Output cable: 696.1 mm (27.41 in) Extension cable: 1049 mm (41.30 in)
Module to Module AC Wiring	Fully-guarded, locking AC-connector
Ground Wiring	UL approved, equipment ground for module and inverter carried through internal inverter wiring - no external ground wires required

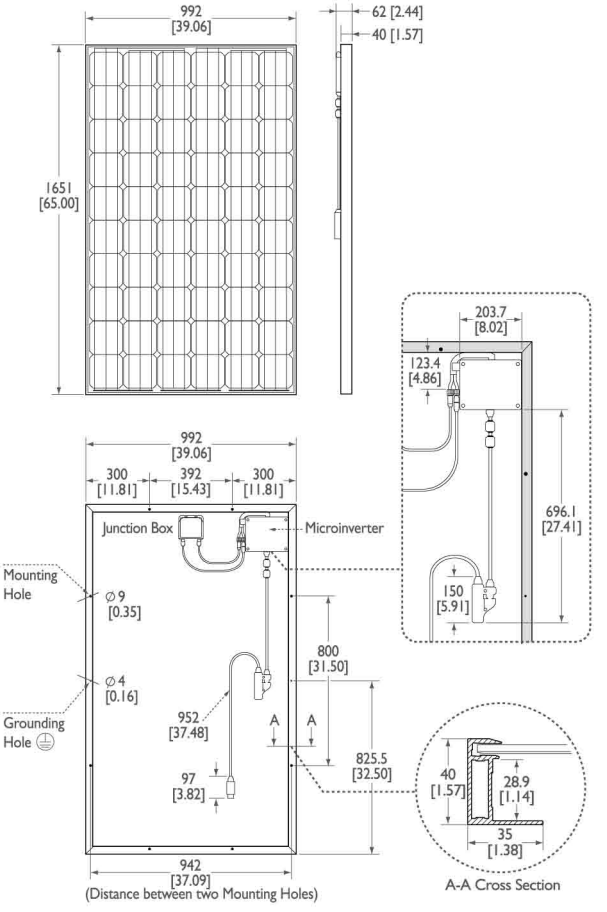
Operating Conditions

PV Module Operating Temperature	-40 ~ +85 °C
Microinverter Ambient Temperature	-40 ~ +65 °C
IP Protection Level	IP65
Maximum Surface Load Capacity	Tested up to 5400 Pa according to IEC 61215 (advanced test)

Warranties and Certifications

Product Warranty	10 years material and workmanship
Performance Guarantee	Guaranteed output of 90% for 10 years and 80% for 25 years
PV Module Certifications	IEC 61215, IEC 61730, UL 1703 CEC listing (model: AUO PM250M00_□□□)
Microinverter Certifications	UL 1741, CEC listing (model: Solarbridge P235LV_240)
AC Module Certification	UL 1741

Dimensions mm (inch)



BenQ Solar AC Unison is a new breakthrough in solar photovoltaic (PV) technology. BenQ Solar combines its premium PV module with reliable microinverter technology to maximize PV benefits for installers and end users.

The integrated microinverter converts module DC to grid compliant AC at each module. This increases system performance by up to 25%, reduces shading losses, and makes PV safer to install and own. BenQ Solar AC Unison is installed, monitored, and maintained with ease.

All BenQ Solar PV products are manufactured under BenQ Solar's strict quality control standards. BenQ Solar AC Unison is designed for 25 years of efficient production.

Dealer Stamp

* All data subject to change without prior notice.
Please consult our official dealers for more information.

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