

The **leading** force
in **green** power



AUO is the world's 1st producer to obtain PV module carbon footprint verification.



EcoDuo PM220P00

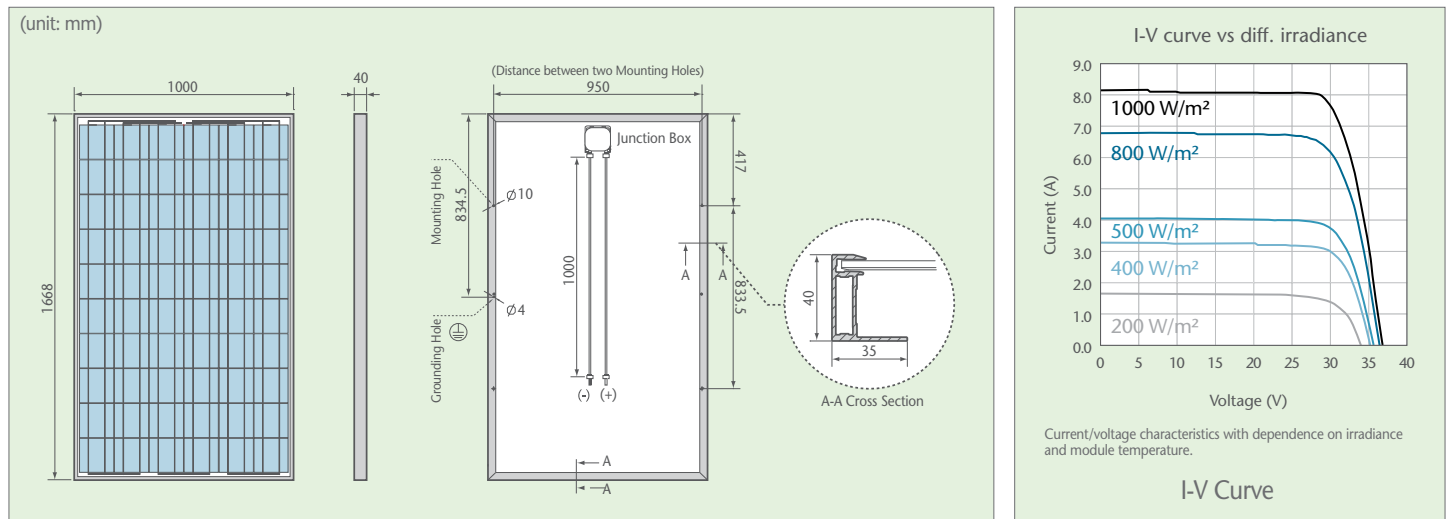
Multi-crystalline Photovoltaic Module

- Highly-strengthened & strongly-framed module passes loading test up to 5400 Pa to simulate wind and snow loads
- Narrow power tolerance +3%
- All AUO PV modules are IEC/UL certificated
- Certificated according to IEC 61215Ed.2, IEC 61730 and UL 1703



EcoDuo PM220P00

Photovoltaic Module for Grid Connected PV System (205~235 Wp)



Electrical Data

Typ. Nominal Power P _N	205 Wp	210 Wp	215 Wp	220 Wp	225 Wp	230 Wp	235 Wp
Typ. Module Efficiency	12.30 %	12.60 %	12.90 %	13.20 %	13.50 %	13.80 %	14.10 %
Typ. Nominal Voltage V _{mp} (V)	29.22	29.58	29.91	30.20	30.50	30.84	31.14
Typ. Nominal Current I _{mp} (A)	7.01	7.12	7.20	7.28	7.37	7.48	7.55
Typ. Open Circuit Voltage V _{oc} (V)	36.20	36.50	36.60	36.90	37.00	37.32	37.50
Typ. Short Circuit Current I _{sc} (A)	7.63	7.70	7.77	7.85	7.89	8.00	8.02

• Above data are effective as the measurement at Standard Test Conditions (STC)

• STC : Radiation strength 1000 W/m², spectral distribution AM 1.5, temperature 25 ± 2° C, in accordance with EN 60904-3

• The given electrical data are nominal values which account for basic measurements and manufacturing tolerances of ±10%, with the exception of P_N. The classifications is performed according to P_N

Temperature Coefficient

NOCT	46 ± 2° C
Typ. Temperature Coefficient of P _N	-0.44 % / K
Typ. Temperature Coefficient of V _{oc}	-0.32 % / K
Temperature Coefficient of I _{sc}	0.04 % / K

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

Operating Conditions

Temperature Range	-40...+80° C
Ambient Temperature Range	-40...+45° C
Maximum System Voltage	1000 V
Maximum Surface Load Capacity	Tested up to 5400 Pa according to IEC 61215 (advanced test)

Mechanical Characteristics







Dimensions (L x W x H)	1668 x 1000 x 40 mm
Weight	20 kg / 23 kg
Front Glass	High transparent solar glass (tempered), 3.2 mm / 4.0 mm
Cell	60 multicrystalline solar cells, 156 mm x 156 mm
Cell Encapsulation	EVA
Back Sheet	Composite film
Frame	Anodized aluminum frame
Junction Box	Junction box with 3 bypass diodes
Cables	1x4 mm ² , length: each 1.0 m
Connector Type	Tyco plug / MC4 compatible

Warranties

Product Warranty	Maximum 5 years for material and workmanship
Performance Guarantee	Maximum 25 years of output power *

* Depends on actual business terms and conditions

Certifications

IEC61730	IEC61215 Ed.2	FSEC*(EC/AUS)
		
UL1703	CEC	ETL
		
		
		
		JET*
		CGC

* In process



AU Optronics Corporation

No. 1, Li-Hsin Rd. 2, Hsinchu Science Park, Hsinchu 30078, Taiwan
Tel: +886-3-500-8899 Email: solar@auo.com www.AUOsolar.com

AUO Green Solutions
Printed with Soy Ink

