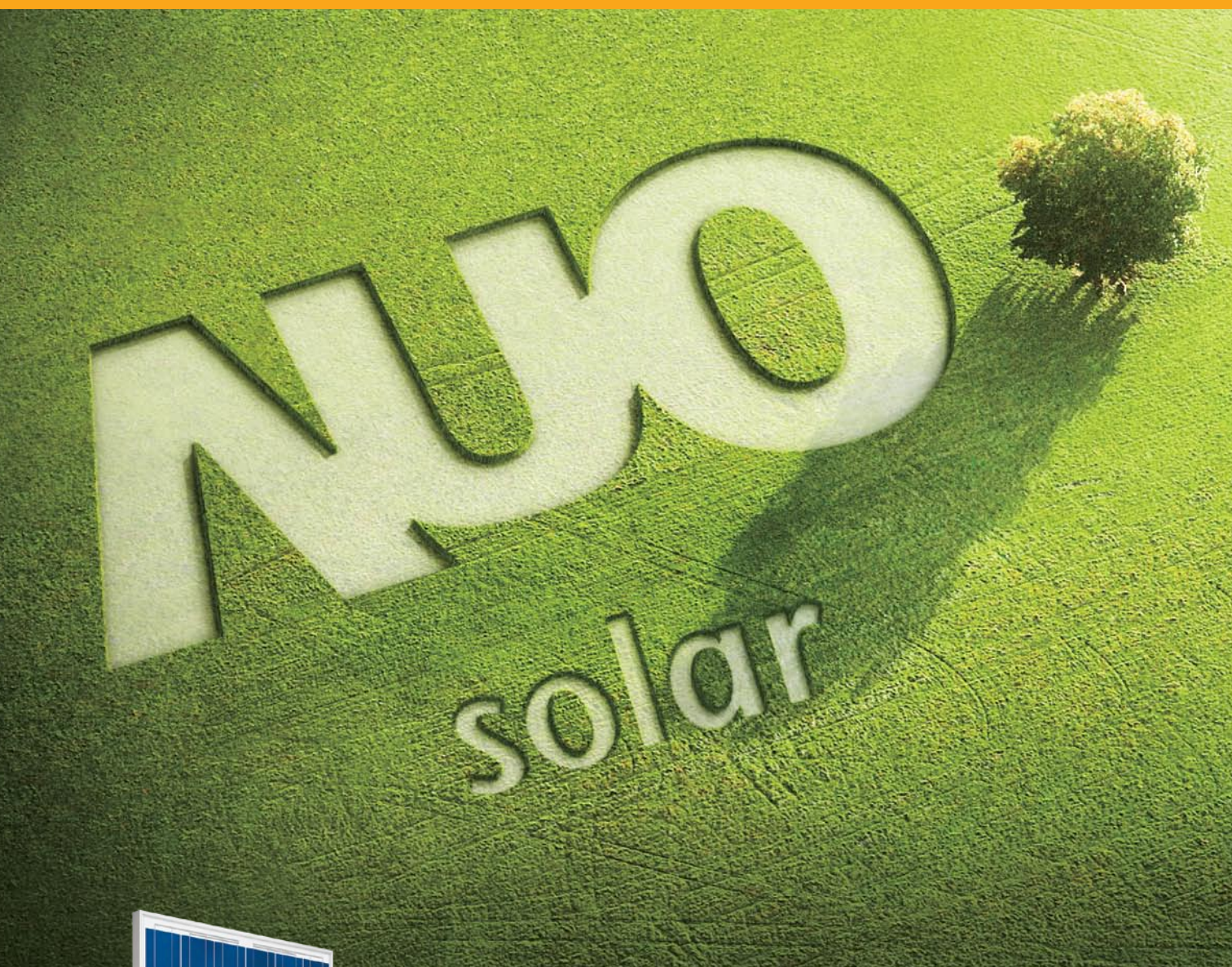


*The leading force in green power*



## **AUO EcoDuo PM220P00**

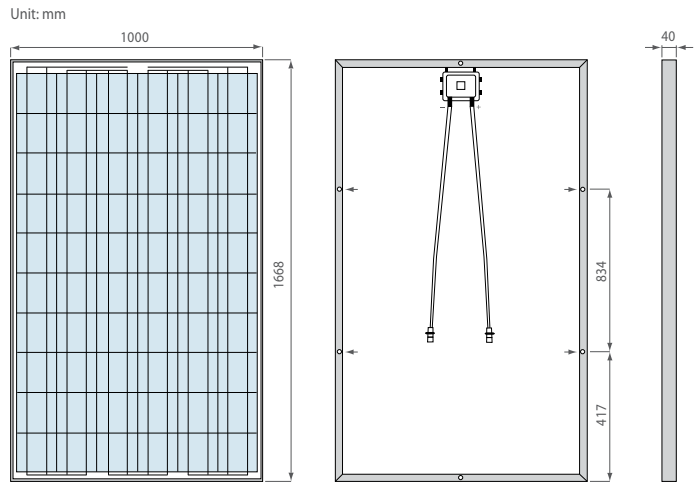
### Multi-crystalline Photovoltaic Module

- AUO's state-of-the-art manufacturing technology ensures unsurpassed quality.
- Advanced multi-crystalline cell technology ensures peak PV module efficiency.
- AUO's global logistics and operation guarantee on-time delivery.
- AUO PV modules offer a 25-year performance guarantee.
- AUO PV modules are guaranteed for 5 years against defects in materials and workmanship.
- All AUO PV modules are TÜV / UL certificated.

# EcoDuo PM220P00

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

- Advanced multi-crystalline cell technology ensures peak PV module efficiency
- Highly-strengthened & strongly-framed module passes loading test up to 5400Pa to simulate wind and snow loads
- Narrow power tolerance +3%
- Certificated materials – Junction box, EVA foil, Back sheet foil



## Electrical Data

typ. Nominal Power PN	235 Wp	230 Wp	225 Wp	220 Wp	215 Wp	210 Wp	205 Wp
typ. Module Efficiency	14.10%	13.80%	13.50%	13.20%	12.90%	12.60%	12.30%
typ. Nominal Voltage Vmp (V)	31.14	30.84	30.50	30.20	29.91	29.58	29.22
typ. Nominal Current Imp (A)	7.55	7.48	7.37	7.28	7.20	7.12	7.01
typ. Open Circuit Voltage Voc (V)	37.50	37.32	37.00	36.90	36.60	36.50	36.20
typ. Short Circuit Current Isc (A)	8.02	8.00	7.89	7.85	7.77	7.70	7.63

Above data are effective as the measurement at Standard Test Conditions (STC)  
STC : Radiation strength 1000 W/m<sup>2</sup>, spectral distribution AM 1.5, temperature 25 ± 2°C, in accordance with EN 60904-3

## Temperature Coefficient

typ. Temperature Coefficient of PN	-0.46 % / K
typ. Temperature Coefficient of Voc	-0.129V/K
Temperature Coefficient of Isc	4.4m A/K

## 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), 3.2mm / 4.0mm
Cell	60 multicrystalline solar cells, 156mm x 156mm
Cell Encapsulation	EVA
Back Site	Composite film
Frame	Anodized aluminum frame
Junction Box	1 junction box with 3 bypass diodes
Cables	MC 4 plug connector cables, 1x4 mm <sup>2</sup> , Length : each 1.0m

## Operating Conditions

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

## Warranties and Certifications

Product Warranty	Free from defects in material and workmanship for 5 years
Performance Guarantee	Guaranteed output of 90% for 10 years and 80% for 25 years
Certifications	TÜV certified / IEC61215 Ed.2 / IEC61730 / UL*

\*UL in process

**AUO**  
solar

AU Optronics Corporation (AUO) is Taiwan's largest and a leading global manufacturer of thin film transistor liquid crystal display panels (TFT-LCD), dedicated to greener products, greener manufacturing and a greener way of living. AUO extends its innovations into the clean energy industry and is committed to being a solar energy total solution provider. AUO is combining its technology leadership with best-of-breed solar partners and material makers. Its scope extends from PV modules to system business.

[www.AUOsolar.com](http://www.AUOsolar.com)

AU Optronics Corporation Taichung Fab  
No.1, JhongKe Rd., Central Taiwan Science Park, Taichung 40763, Taiwan  
Tel: +886-4-2460-8800 E-mail: solar@auo.com

AUO Green Solutions  
The brochure is printed with 100% recycled paper & Soy Ink.



©Copyright Apr. 2010 AU Optronics Corp. All rights reserved. Information may change without notice.