

**AUO**



**Together  
We Shine**

BenQ Group

2015.9 EN

# AU Optronics

## Your Reliable Partner in the PV Industry

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. Besides being named to Dow Jones Sustainability World Index, AUO is also the world's first TFT-LCD manufacturer to have received a LEED Platinum Certification. In addition to its strengths in product and technological innovation, AUO stresses its commitment to going green and to utilizing manufacturing excellence to develop its solar business.

Leveraging the company's innovation ability, AUO makes efforts in providing high reliability and premium quality solar solutions. Furthermore, AUO possesses a complete solar value chain that focuses on high efficiency at each stage, including polysilicon, ingot, wafer, cell, module and system production. AUO's solar solutions fulfill the requirements in residential, commercial, and utility segments.

### AUO'S PROFILE

#### HISTORY



#### WORKFORCE

45,000



#### REVENUE

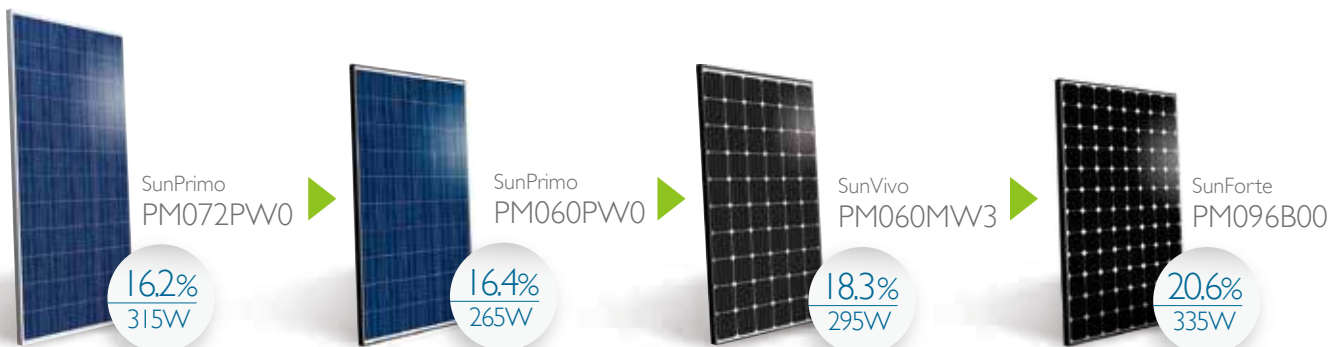


MEMBER OF  
**Dow Jones Sustainability Indices**  
In Collaboration with RobecoSAM

## High Performance Solar Modules



AUO's solar module portfolio includes mono, multi, and back-contact cell technologies with conversion efficiency rates ranging from 16-20% to meet diversified solar energy system requirements. On top of which, the company's solar products are PID-free, flame retardant and resistant to salt corrosion, humidity, as well as ammonia with reliable third-party certifications, enabling them to be safely utilized in challenging weather and environmental conditions, as well as diversified circumstances.



# Solar and Energy Innovations

In order to make the company's solutions more user-friendly, AUO strives to provide smarter solar energy solutions through technology innovations, such as products that are lightweight yet offer high power or provide substantial energy storage.

Aer PM060MW5, the world's lightest\* 60-cell crystalline-silicon module, provides higher energy while weighing 45% lighter than its conventional counterparts, significantly increasing energy output within limited rooftop space and simplifying the installation process. The lightweight design saves costs, reduces shipping and handling hassles, and is safe to use and maintain. It can also be confidently installed in a wide range of roofing materials and building structures, even in earthquake zones.

PowerLegato® carries an all-in-one design for easy installation and transportation. Its EnergyOptimizer interface supports system monitoring, error detection, PV and grid energy management and cloud-based data storage. PowerRondo® battery module offers scalable, customized optimization solutions for commercial and light industry applications.

\* Based on the available market research information as of September, 2015.



# Solar Power Plant Solutions and EPC



AUO has superior capabilities in providing service throughout project development to fulfill various commercial and utility needs. The company is fully experienced in facilitating all stages of power plant development with its lineup of solar modules, expertise in engineering, and knowledge in operation and maintenance service. Furthermore, the company has built an innovative platform for those who are interested in solar power plant investment.

To better assist customers with power plant operation and maintenance, AUO also offers a monitoring solution that supports local data collection, cloud-based data storage, web portal and mobile app access for a real-time tracking of system performance.



Multi-Platform Cloud Monitoring Solution



All-Round Solar Power Plant Service



# Extensive System Solutions



86.4 kW

Mini-Grid System

Dongji Isle  
Taiwan

Besides providing solar module products, AUO is dedicated to developing extensive solutions to fit customers' special needs based on their environmental conditions.

AUO G-racking Series contains innovative racking solutions, EASY ROOF EVOLUTION™ and Zep Compatible System that allow for an easier and more flexible installation process. With fewer and lighter components, the installation involves less time, fewer workers, and therefore results in less labor cost.

EASY ROOF EVOLUTION™ is a building-integrated photovoltaics (BIPV) mounting system that serves as a roof itself. It is wind-resistant, waterproof and flame retardant, with the component's lightweight less than 5kg, making an easier-than-ever installation possible even in challenging environments.

The AUO PV water pumping system, with a plug-and-go design, is quick and simple to install, and minimizes maintenance and operational costs. Applications include irrigation, dripping, and sprinkler systems.



PV Water Pumping System



G-racking Series

## World-Class Quality and Reliability

AUO's certain solar modules are tested for performance and durability in standards that are three times more stringent than the IEC test requirements. These rigorous tests are carried out in state-of-the-art, in-house laboratories recognized by the UL Witness Test Data Program. All solar modules have met and exceeded internationally recognized standards, including JET, JPEC, IEC, UL, MCS, and CEC.



UL-Qualified In-House Labs



Test Standard

- Damp Heat Test 3,000 hrs
- Thermal Cycle Test 600 cycles
- Humidity Freeze Test 30 cycles



12 MW

Ground-Mounted

Largentiere  
France

## Environmental Leadership

AUO obtained the first-ever PAS 2050 Carbon Footprint Verification for a PV module. With the low carbon footprint, AUO's solar modules are compliant with the French National Tender Program's requirements administered by CRE (The French Regulatory Commission of Energy).



CRE Tender Criteria



# Group Resource Synergy



# AUO's High-Efficiency Solar Value Chain



# Worldwide Track Records



Ground-Mounted / Largentiere, France

12  
MW



Ground-Mounted / Fukushima, Japan

2  
MW



Ground-Mounted / Gnotzheim, Germany

10  
MW



Rooftop / Busan Subway Garage Center, Korea

1.7  
MW



Ground-Mounted / Aurangabad, India

5  
MW



Ground-Mounted / Verona, Italy

752  
kW



Ground-Mounted / Solarpark Westmill, UK

49  
MW



Carport / Alice Springs Airport, Australia

325  
kW

## Global Contacts

### Taiwan

Corporate Headquarters /  
AUO Technology Center

No.1, Li-Hsin Rd.2, Hsinchu Science  
Park, Hsinchu 30078, Taiwan  
Tel: +886-3-500-8899

Taichung

No.1, JhongKe Rd., Central Taiwan  
Science Park, Taichung 40763, Taiwan  
Tel: +886-4-2460-8899

### Japan

AU Optronics Japan  
Tokyo

3-24-21 Sanwa Bld. 5F, Shiba,  
Minato-ku,  
Tokyo 105-0014, Japan  
Tel: +81-3-6414-7388

Osaka

Riso Shin-Osaka Bld. 5F 4-3-7,  
Miyahara, Yodogawa-Ku, Osaka City,  
Osaka 532-0003, Japan  
Tel: +81-6-6392-9288

### Europe

AU Optronics Europe B.V.

Zekeringstraat 39B, 1014BV  
Amsterdam, The Netherlands  
Tel: +31-20-7940825

AU Optronics Czech s.r.o.

Tuřanka 859/98d, Brno - Slatina,  
62700 Brno, Czech Republic  
Tel: +420-533-445-288

### USA

AUO Green Energy America Corp.  
Milpitas, California

1525 McCarthy Blvd. Suite 218  
Milpitas, CA 95035, USA  
Tel: +1-408-518-8800

### Australia

Sydney

Unit 6, 2 Holker Street, Newington  
NSW 2127, Australia  
Tel: +61-2-8988-6510

Visit [solar.AUO.com](http://solar.AUO.com) for more information,  
or [solar.AUO.com/inquiry](mailto:solar.AUO.com/inquiry) to contact us.



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