



PV Test Division

**Designed for
Multi-Junction
Solar Cells.**

TriSOL™ System

1800nm Solar Simulator & I-V Test System



TriSOL™ Product Line

High Performance, 1800nm Solar Simulator and I-V Tester. Ideal for both multi-junction and standard solar cells.

1800nm Solar Simulator

- ◆ **Class AAA Certified**
- ◆ **350nm-1800nm Class A Spectral Match in 50nm Bands**
- ◆ **Continuous Wave & SLP**
- ◆ **Full beam coverage of cells measuring to 300mm**
- ◆ **Long working distances**

I-V Tester

- ◆ **Configurable parameters**
- ◆ **Scripting capabilities**
- ◆ **Self-calibrating design**
- ◆ **Integrates to databases**
- ◆ **Thermal controlled test fixture**

OAI's TriSOL High Performance, 1800nm Solar Simulator is perfect for use with multi-junction solar cells and other types of solar cells. The system provides 350nm-1800nm Class A spectral match in 50nm band widths. Lamp power ranges from 300W-5,000W and a variety of air mass filters are available to simulate the sun's spectra. OAI's proven lens and mirror technology allows for a wide range of exposure areas with Class A Certification.

Using advanced mirror and filter technology, the solar simulator can accurately focus and reflect the desired energy and match spectral output to the user's requirements. Systems may be configured as continuous wave to 1800nm or Single Long Pulse (SLP). Filter sets are available for special applications.

The OAI TriSOL I-V Tester is a very precise measurement tool which is easy to use and features a self calibrating design with configurable parameters and scripting capabilities. Test results port easily into a database. Also available from OAI are thermally controlled test fixtures.

Based on over 35 years of proven light source technology, OAI's TriSOL family of products deliver repeatable, reliable, cost effective solutions for a wide range of solar simulation and testing. Other TriSOL products include test fixtures, a calibrated reference cell and Solar Power Meter. All products are backed by OAI's worldwide service and support network.

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