The American Recovery and Reinvestment Act (ARRA) envisions a more energy-efficient, up-to-date America. Investing in alternative energy sources like solar power is part of that vision.

Like other sources of electricity, solar power systems need to be reliable, cost effective and safe to operate. Whatever the size of a solar power system, its equipment needs to withstand extreme temperatures, electrical transients, power surges, mechanical shocks and vibrations.

The EPACT 2005 mandate states that the federal government must install 20,000 solar panel systems as part of an energy efficiency strategy.

Eaton has the solutions you need to handle those challenges. Our products and services for solar systems offer a unique blend of high product quality, superior operating performance and unmatched reliability.

Let us show you some of Eaton’s solutions for solar power.
1 Solutions just for you
Off-the-shelf equipment may not be optimized to work with solar power systems of different sizes, making it more costly or difficult to install and use. Eaton’s satellites and service centers can customize equipment such as switchboards, breakers, enclosed breakers, safety switches and low and medium voltage switchgear to your exact specifications, often saving installation costs and making maintenance easier.
- Custom AC switchboards
- Enclosed breakers
- Safety switches
- Low and medium voltage switchgear

2 Easier installation
Installing, configuring and testing power control equipment one piece at a time on-site can be a complicated, time-consuming process that increases the overall cost of installation. Eaton offers totally integrated power control and management solutions such as the Integrated Power Assembly that is shipped in one enclosure, configured and pre-tested for quick installation and commissioning.
- Integrated Power Assembly (IPA)
- Balance of system components as shown on first page

3 Improved user safety
Employers need to keep solar power system workers safe from arc flash hazards. Eaton can dramatically reduce exposure to electrical shock and arc flash safety hazards with the right equipment, proper training and proper equipment labeling.
- Arc flash hazard analysis services
- Arcflash Reduction Maintenance System™
- Arc flash safety products and services

4 Project management services
Solar power systems can be complicated collections of equipment from many manufacturers. Eaton’s Electrical Services and Systems engineers throughout the U.S. provide support in the field for components manufactured by both Eaton and other electrical manufacturers.
- Installation services
- Commissioning services
- Maintenance services
- Retrofit upgrades and service
- Turnkey substation construction

5 Global applications
Many solar power system owners operate facilities inside and outside of the U.S. That can mean working with American National Standards Institute (ANSI) standards for some equipment and International Electrotechnical Commission (IEC) standards for other equipment. Eaton’s globally certified components meet both ANSI and IEC standards, allowing customers to lower inventory levels and simplify parts management with one global design scheme based on a single part number.
- Switchgear that meets global standards (ANSI, IEC)