

**YASKAWA**

# SOLECTRIA XGI™ Inverters

Quality & Reliability You Can Bank On



[solectria.com](http://solectria.com)

**SOLECTRIA SOLAR**

# Yaskawa and Solectria. Better Together.

Yaskawa Solectria Solar and Yaskawa America, Inc. have combined resources to provide higher quality PV inverters with reliability that is unmatched in the PV industry.

Yaskawa Solectria Solar, a wholly-owned subsidiary of Yaskawa America, Inc., is a leading commercial inverter supplier in the United States and the only company with dedicated USA manufacturing facilities for PV string and central inverters.

Our product family includes web-based monitoring, string combiners, and inverters for all types of PV systems, from commercial rooftops to utility-scale solar farms. The companies have over 100 years of combined power electronics and inverter experience.



## Revolutionary Transformerless Inverters

By leveraging the strengths of the combined companies, we are able to offer the best inverter product line in the PV industry.

Our new three-phase string inverters represent the most significant product launch in our history. Why? Because we are building upon Yaskawa's preeminent power electronics design and world-class manufacturing capability, along with Yaskawa Solectria Solar's decades of solar industry experience, to create the very best technology solutions for the PV market.

SOLECTRIA XGI™ inverters are designed for all commercial and utility-scale applications. Throughout the design and production stages, this new product family has been held to the highest quality standards, established through our relationship with Yaskawa. The SOLECTRIA XGI inverter line will change the way you view your PV system.

## THE NEW STANDARD FOR QUALITY IN SOLAR

Leading Commercial  
Supplier in the USA

**100+** Years  
Combined  
Experience

When inverters stop working, companies lose money and people become anxious. That's because the inverter is the heart of every solar system.

Joining the Yaskawa family means that Solectria now has access to world-class research, development, and testing facilities. The SOLECTRIA XGI product family offers a level of quality never before seen in the solar inverter industry.

## Product Enhancements

### BEST QUALITY

Incorporating Yaskawa processes has greatly improved our research, design, and manufacturing techniques.

### COMPREHENSIVE TESTING

We have introduced more rigorous testing methods to ensure our inverters can withstand heat, cold, water, dust, and vibration.

### PREMIUM COMPONENTS

Only components of highest quality were selected to enhance reliability and performance.

### HIGHEST RELIABILITY

All SOLECTRIA XGI inverters and warranties are backed by Yaskawa with components proven to last up to 30 years.

### MAXIMUM ENERGY PRODUCTION

Realize increased solar energy production for the lifetime of your PV system.



# Better by Design

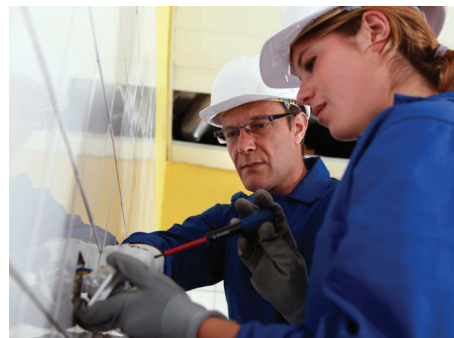
SOLECTRIA XGI inverters are better by design. By incorporating a host of new product features, we make PV system development and O&M easier and more cost effective.



## Intelligent

Remote diagnostic capabilities make installations easier when it comes to verifying performance and commissioning. Remote software and firmware upgrades are also designed to enhance operational efficiencies.

Communications via WiFi or Ethernet reduces the overall cost of operation and on-site maintenance. In addition, the SOLECTRIA XGI inverters can self-test to verify proper inverter operation.



## Built To Last

Our rugged design with advanced arc-fault protection is the result of uncompromising quality standards and stringent testing procedures. Each component has been individually HALT and ALT tested and qualified.



## Cost Savings

- Integrated combiner box with up to 4 MPPTs
- Optional MC4/H4 PV connectors = lower installation times
- Remote diagnostics and firmware upgrades
- Quality testing = reliable parts and low maintenance
- World leading quality suppliers for all components

SOLECTRIA XGI 1000

SOLECTRIA XGI 1500



SOLECTRIA XGI inverters are exceeding expectations and setting new standards for PV inverters while offering improved system design, faster deployment, and easier troubleshooting.

### Made in the USA with Global Components

Designed and engineered in Lawrence, MA, assembled and tested in Buffalo Grove, IL

### Same Quality, Two Markets

1000VDC inverter for the commercial PV market and 1500VDC inverter for the utility-scale PV market

### Lowering Costs for System Owners

Simplified design resulting in the lowest cost of labor, installation, and O&M

### Quick & Easy Set-up

Reduce commissioning time with the ability to reach all in-network inverters from a single location using a wireless device

### Convenient Troubleshooting

Remote diagnostics and upgrades to software and firmware, reducing trips by technicians to the system site

### Advanced Grid-Support

Meets the latest IEEE 1547 and UL 1741 standards for safety

### Connection Flexibility

Optional plug and play MC4 and H4 connectors for faster installation and reduced labor

### Extended Coverage

Industry standard warranty, extendable up to 20 years

# Performance You Can Bank On

Our relationship with Yaskawa brings a wealth of great resources to the company.



## Financial Stability

We are backed by the world's largest manufacturer of AC drives and motion control products, including variable frequency drives, servo amplifiers, servomotors and machine controllers.

## Research & Development

With larger R&D budgets, we are able to invest more time and energy into our new product development, bringing you the best technology available.

## Quality Testing and Manufacturing Facilities

SOLECTRIA XGI inverters are designed, engineered, tested, and assembled in the USA, with manufacturing at our facility in Buffalo Grove, Illinois.

## Expert, Local Technical Support

Staffed by the industry's most qualified technical support team, we now provide quicker and more thorough technical support and customer service.

Localized service allows us to provide faster and more reliable after-market support for you.

# Made in the USA with Global Components

## SOLECTRIA XGI inverters are Made in the USA with Global Components

Since manufacturing is based in Yaskawa's Buffalo Grove, IL operations facility, SOLECTRIA XGI 1000 & SOLECTRIA XGI 1500 inverters meet the standard set by the FTC for "Made in the USA" designation.

## Why Does This Matter?

Being engineered in the USA means that the product was created to exceed local standards. By keeping manufacturing of our final product in the USA, jobs are kept local.

## Buy American Act Compliance

SOLECTRIA XGI 1000 & SOLECTRIA XGI 1500 inverters are Made in the USA with global components and meet the Federal Acquisition Regulations (FAR) definitions of a Commercial Off-The-Shelf (COTS) item. This qualifies SOLECTRIA XGI inverters as domestic end products, compliant with the Buy American Act (BAA).





Yaskawa Solectria Solar, a wholly-owned subsidiary of Yaskawa America, Inc., is the leading commercial inverter supplier in the United States. Solectria's products include 14 to 750 kW inverters, string combiners and web-based monitoring for all sized solar systems. Solectria's three-phase transformerless string inverters (XGI line) and three-phase central inverters (SGI line) are engineered, designed and assembled in the United States America.