

YASKAWA

SOLECTRIA XGI 1000

Premium 3-Ph Transformerless Commercial String Inverters

Features

- Made in the USA with global components
- Buy American Act (BAA) compliant
- 60kW and 65kW
- Built to last
- Lowest cost of labor/installation
- Access to all inverters on-site via WiFi from one location
- Lowest cost of O&M
- Remote diagnostics
- Remote software & firmware upgrades
- 5-90° installation angles
- 4 MPPTs
- Advanced grid-support functions
- Integrated AFCI

Options

- Plug & play MC4 or H4 connectors
- Web-based monitoring
- Revenue grade metering



Yaskawa Solectria Solar's XGI 1000 commercial string inverters are designed for high reliability and built with the highest quality components. Components were selected, tested and proven to last beyond their warranty. The XGI 1000 inverters provide advanced grid-support functionality and meet the latest IEEE 1547 and UL 1741 standards for safety. Offering a wide mounting-angle range (5 – 90° from horizontal), the XGI inverters can be installed to meet NEC array-level rapid shutdown requirements. Designed and engineered in Lawrence, MA, the XGI inverters are assembled and tested at Yaskawa America's facilities in Buffalo Grove, IL.

The all new XGI 1000 inverters are Made in the USA with global components and are compliant with the Buy American Act.

MADE IN THE USA



With U.S. and Global Components

SOLECTRIA SOLAR

SOLECTRIA XGI 1000

Specifications

| | XGI 1000-60/60 | XGI 1000-60/65 | XGI 1000-65/65 |
|--|---|---------------------------|----------------------------|
| DC Input | | | |
| Absolute Maximum Input Voltage | 1000 VDC | 1000 VDC | 1000 VDC |
| Maximum Power Input Voltage Range (MPPT) | 580-850 VDC | 600-850 VDC | 600-850 VDC |
| Operating Voltage Range (MPPT) | 350-950 VDC | 350-950 VDC | 350-950 VDC |
| Maximum Operating Input Current | 105.6 A (26.4 A per zone) | 105.6 A (26.4 A per zone) | 110.6 A (27.65 A per zone) |
| Maximum Rated PV Input (per MPPT) | 22.5 kW | 22.5 kW | 24.4 kW |
| Number of MPP Trackers | 4 / 1 (default) | 4 / 1 (default) | 4 / 1 (default) |
| Number of PV Source Circuits (Fused Inputs) | 4 per MPPT; 16 total | 4 per MPPT; 16 total | 4 per MPPT; 16 total |
| Maximum PV Current (Isc x 1.25) per Zone / Single Zone | 50 A / 180 A | 50 A / 180 A | 50 A / 180 A |
| Maximum Recommended DC to AC Ratio | 1.5 | 1.5 | 1.5 |
| AC Output | | | |
| Nominal Output Voltage | 480 VAC, 3-Ph | 480 VAC, 3-Ph | 480 VAC, 3-Ph |
| AC Voltage Range | -12 / +10% | -12 / +10% | -12 / +10% |
| Continuous Real Output Power | 60 kW | 60 kW | 65 kW |
| Continuous Apparent Output Power | 60 kVA | 65 kVA | 65 kVA |
| Maximum Output Current | 72.2 A | 78.2 A | 78.2 A |
| Nominal Output Frequency | 60 Hz | 60 Hz | 60 Hz |
| Power Factor (Unity default) | +/- 0.85 Adjustable | +/- 0.85 Adjustable | +/- 0.85 Adjustable |
| Total Harmonic Distortions (THD) @ Rated Power | <3% | <3% | <3% |
| Grid Connection Type | 3-Ph + N/GND | 3-Ph + N/GND | 3-Ph + N/GND |
| Fault Current Contribution (1 cycle RMS) | 93.9 A | 101.7 A | 101.7 A |
| Recommended AC Overcurrent Device Rating | 100 A (AC Maximum Output Current x 1.25) | | |
| Efficiency | | | |
| Peak Efficiency | 98.2% | 98.2% | 98.2% |
| CEC Average Efficiency | 98.0% | 98.0% | 98.0% |
| Tare Loss | <1 W | <1 W | <1 W |
| Temperature | | | |
| Ambient Temperature Range | -40°F to 140°F (-40°C to 60°C) | | |
| De-Rating Temperature | 122°F (50°C) | 113°F (45°C) | |
| Storage Temperature Range | -40°F to 167°F (-40°C to 75°C) | | |
| Relative Humidity (non-condensing) | 0-95% | | |
| Operating Altitude | 9,842.5 ft (3,000 m) | | |
| Communications | | | |
| Advanced Graphical User Interface | WiFi | | |
| Communication Interface | RJ-45 Ethernet | | |
| Third-Party Monitoring Protocol | Sunspec Modbus TCP/IP | | |
| Web-Based Monitoring | Optional | | |
| Revenue Grade Metering | Optional | | |
| Firmware Updates | Remote/Local | | |
| Testing & Certifications | | | |
| Safety Listings & Certifications | UL 1741 / IEEE 1547, UL 1699B, UL 1998 | | |
| Testing Agency | Intertek | | |
| FCC Compliance | FCC Part 15, Class A | | |
| Warranty | | | |
| Standard Limited Warranty | 10 Years | | |
| Enclosure | | | |
| Acoustic Noise Rating | 55 dBA @ 3 m | | |
| DC Disconnect | Integrated, 2 Pole | | |
| Mounting Angle | 5-90° Measured from horizontal | | |
| Dimensions (H x W x D) | 45.8 in. x 28.3 in. x 11.6 in. (1163 x 719 x 295 mm) | | |
| Weight | Inverter: 123 lbs (55.8 kg); Wiring Box: 53 lbs (24.1 kg) | | |
| Enclosure Rating and Finish | Type 4, Polyester Powder-Coated Aluminum | | |

Specifications subject to change.

SOLECTRIA SOLAR

Yaskawa Solectria Solar
360 Merrimack Street
Lawrence, MA 01843
solectria.com

1-978-683-9700
inverters@solectria.com

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