

# YASKAWA

# SOLECTRIA XGI 1000

## Premium 3-Ph Transformerless Commercial String Inverters

### Features

- Made in the USA with global components
- 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 features
- Integrated AFCI

### Options

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



Yaskawa Solectria Solar's XGI 1000 line of inverters have the highest quality and reliability. Components have been tested and proven to last beyond their warranty. They have been tested to meet and exceed the latest IEEE/UL standards for safety. The XGI is designed, engineered, and tested in the USA. Offering a wide mounting angle range (5-90°), the XGI 1000 inverter can be installed to comply with array level rapid shutdown requirements of the NEC.

MADE IN THE USA



With U.S. and Global Components

## SOLECTRIA SOLAR

# SOLECTRIA XGI 1000

## Specifications

|  | XGI 1000-60   | XGI 1000-65  |
|--|---|--|
| <b>DC Input</b>                              |   |  |
| Absolute Maximum Input Voltage               | 1000 VDC  |  |
| Maximum Power Input Voltage Range (MPPT)     | 580-850 VDC   | 600-850 VDC  |
| Operating Voltage Range (MPPT)               | 300-950 VDC   |  |
| MPP Trackers                                 | 4   |  |
| DC Connections (Fused Options)               | 4 per MPPT  |  |
| Maximum Operating PV Power (per MPPT)        | 15.3 kW   | 16.6 kW  |
| Maximum Recommended DC to AC Ratio           | 1.5   |  |
| Maximum Rated PV Input (per MPPT)            | 22.5 kW   | 24.4 kW  |
| <b>AC Output</b>                             |   |  |
| Nominal Output Voltage                       | 480 VAC, 3-Ph   |  |
| AC Voltage Range                             | -12/+10%  |  |
| Continuous Output Power                      | 60 kW   | 65 kW  |
| Continuous Apparent Output Power             | 60 kVA  | 65 kVA   |
| Maximum Output Current                       | 72 A  | 78 A   |
| Nominal Output Frequency                     | 60 Hz   |  |
| Power Factor                                 | Unity, >0.99 (Adjustable -0.85 to +0.85), factory set at 1  |  |
| Total Harmonic Distortion (THD) @ Rated Load | <3%   |  |
| Grid Connection Type                         | 3-Ph + N/GND  |  |
| <b>Efficiency</b>                            |   |  |
| Peak Efficiency                              | 98.5%   |  |
| CEC Efficiency                               | 98.0%   |  |
| Tare Loss                                    | <1 W  |  |
| <b>Temperature</b>                           |   |  |
| Ambient Temperature Range                    | -40°F to +140°F (-40°C to +60°C); derate at +122°F (+50°C)  | -40°F to +140°F (-40°C to +60°C); derate at +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)  |  |
| <b>Communications</b>                        |   |  |
| 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  |  |
| <b>Testing &amp; Certifications</b>          |   |  |
| Safety Listings & Certifications             | UL 1741/IEEE 1547, UL 1699B, UL 1998, FCC part 15B          |  |
| Testing Agency                               | ETL   |  |
| <b>Warranty</b>                              |   |  |
| Standard                                     | 10 year   |  |
| Optional                                     | 15 or 20 year; Extended Service Agreement                   |  |
| <b>Enclosure</b>                             |   |  |
| dBA (Decibel) Rating                         | 55 dBA @ 1 m  |  |
| DC Disconnect (Integrated)                   | Standard  |  |
| Mounting Angle                               | 5-90°   |  |
| 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: 117 lbs (53.07 kg); Wiring Box: 49 lbs (22.22 kg) |  |
| Enclosure Rating                             | Type 4  |  |
| Enclosure Finish                             | Powder Coated Aluminum                                      |  |

**SOLECTRIA SOLAR**

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