

SOLECTRIA™ XGI 1000

PREMIUM 3-PHASE 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
- Vertical installation only
- Configured in the Factory: 4 MPPTs; 1 MPPT; Optional Large AC Lugs
- Advanced grid-support functions
- Integrated AFCI
- SunSpec Modbus Certified

OPTIONS

- 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. XGI 1000 inverters meet the latest IEEE 1547 and UL 1741SA standards for safety and can be installed to meet NEC rapid shutdown requirements (inquire for more details).

Designed and engineered in Lawrence, MA, XGI 1000 inverters are assembled and tested at Yaskawa America's facilities in Buffalo Grove, IL. 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

YASKAWA
SOLECTRIA SOLAR

Yaskawa Solectria Solar | 1-978-683-9700 | Email: inverters@solectria.com | solectria.com
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SOLECTRIA™ XGI 1000 TECHNICAL DATA

SPECIFICATIONS

SOLECTRIA Inverter		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 (Clipping Point)	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	Independent Mode: 4 Combined Mode: 1	Independent Mode: 4 Combined Mode: 1	Independent Mode: 4 Combined Mode: 1	
	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 / Total Maximum PV Current	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 Distortion (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 / CEC Average Efficiency	98.2% / 98.0%	98.2% / 98.0%	98.2% / 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			
	Firmware Updates	Remote/Local			
Testing & Certifications	Safety Listings & Certifications / Testing Agency	UL 1741 / IEEE 1547, UL 1699B, UL 1998 / Intertek			
	FCC Compliance	FCC Part 15 (Subpart B, Class A)			
Warranty	Standard Limited Warranty	10 Years			
Enclosure	Acoustic Noise Rating	55 dBA @ 3 m			
	DC Disconnect	Integrated, 2 Pole			
	Dimensions (H x W x D), Mounting Angle	45.8 in. x 28.3 in. x 11.6 in. (1163 x 719 x 295 mm), 5-90° Measured from horizontal			
	Weight	Inverter: 123 lbs (55.8 kg); Wiring Box: 53 lbs (24.1 kg)			
	Enclosure Rating and Finish	Type 4X, Polyester Powder-Coated Aluminum			
Wiring Box Configuration (From Factory)	Independent Mode: 4 MPPT	DC Fuse Holders (12 - 8AWG Cu only); AC Terminals (3AWG -1/0 Cu or 1AWG - 1/0 Al); N and PE (8 - 4AWG Cu or 6 - 4AWG Al)			
	Combined Mode: 1 MPPT				
	OPTION: Large AC Lugs	DC Fuse Holders (12 - 8AWG Cu only); AC Terminals (3AWG - 3/0 Cu or 1AWG - 3/0 Al); N and PE (6AWG - 1/0 Cu or 6AWG - 1/0 Al)			

Specifications subject to change.

