

SOLECTRIA® XGI 1500-250 SERIES

PREMIUM 3-PHASE TRANSFORMERLESS UTILITY-SCALE INVERTERS

FEATURES

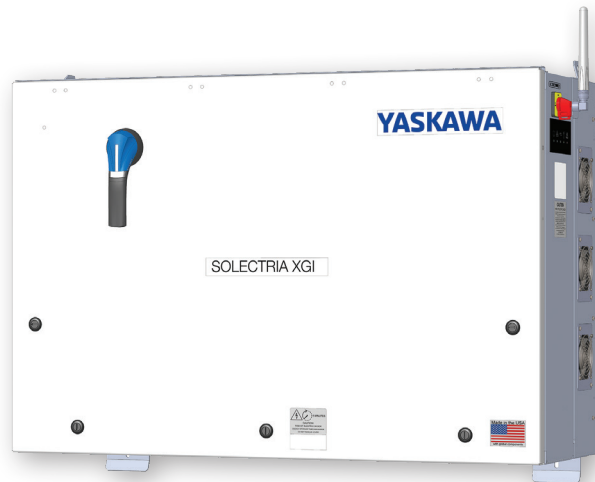
- NEW and MORE POWERFUL!
 - XGI 1500-250/250-600
 - XGI 1500-225-600 (Selectable: 225kW/225kVA or 225kW/250kVA)
 - XGI 1500-200/200-480
 - XGI 1500-175-480 (Selectable: 175kW/175kVA or 175kW/200kVA)
- Industry-leading maximum DC/AC Ratio of 2.0
- Accepts two input PV Output Circuits, with no overcurrent protection required
- Made in the USA with global components
- Buy American Act (BAA) compliant
- 99.0% peak efficiency
- Flexible solution for distributed and centralized system architecture
- Advanced grid-support functionality Rule 21/UL1741SB
- Robust, dependable and built to last
- Lowest O&M and installation costs
- Access all inverters on site via WiFi from one location
- Remote diagnostics and firmware upgrades
- SunSpec Modbus Certified
- Tested compatible with the TESLA PowerPack Microgrid System

OPTIONS

- PV Source Circuit Combiners
- Web-based monitoring
- Extended warranty



Yaskawa Solectria Solar is pleased to introduce its most powerful XGI 1500 inverters, with the XGI 1500-250 models at 600 Vac, and the XGI 1500-200 models for 480 Vac service.



The XGI 1500-250 and XGI 1500-200 feature SiC technology, high power and high efficiency that places them at the top end of the utility-scale string inverters in the market.

Yaskawa Solectria Solar designs all XGI 1500 utility-scale string inverters for high reliability and builds them with the highest quality components -- selected, tested and proven to last beyond their warranty. The XGI 1500 inverters provide advanced grid-support functionality and meet the latest IEEE 1547 and UL 1741 standards for safety.

The XGI 1500 inverters provide ideal solutions for ground-mounted utility-scale PV systems, with models available for service connections at 600 Vac and 480 Vac. Designed and engineered in Lawrence, MA, the SOLECTRIA XGI inverters are assembled and tested at Yaskawa America's facilities in Buffalo Grove, IL. The XGI 1500 inverters are Made in the USA with global components, and are compliant with the Buy American Act.

SOLECTRIA® XGI 1500-250 SERIES TECHNICAL DATA

SPECIFICATIONS

PRODUCT SPECIFICATION		XGI 1500 INVERTER MODEL					
		XGI 1500 250/250-600	XGI 1500 225-600	XGI 1500 200/200-480	XGI 1500 175-480		
DC Input	Absolute Maximum Input Voltage	1500 VDC					
	Maximum Power Voltage Range (MPPT)	860-1250 VDC		750-1250 VDC			
	Operating Voltage Range (MPPT)	860-1450 VDC		750-1450 VDC			
	Number of MPP Trackers	1 MPPT					
	Maximum Operating Input Current	296.7 A	267 A	237.3 A	207.6 A		
	Maximum Operating PV Power	255 kW	230 kW	204 kW	179 kW		
	Maximum DC/AC Ratio Max Rated PV Power	2.0 500 kW	2.22 500 kW	2.5 500 kW	2.86 500 kW		
	Max Rated PV Short-Circuit Current (ΣIsc x 1.25)	800 A					
AC Output	Nominal Output Voltage	600 VAC, 3-Phase		480 VAC, 3-Phase			
	AC Voltage Range	-12% to +10%					
	Continuous Real Output Power	250 kW	225 kW	200 kW	175 kW		
	Continuous Apparent Output Power (kVA)	250	250	225	200	175	
	Maximum Output Current	240.6 A	216.5 A	240.6 A	210.5 A		
	Fault Current Contribution (1 cycle RMS)	390 A	390 A	351 A	312 A	312 A	273 A
	Conductor Compatibility	600 kcmil max, Cu or Alum, 1 or 2 conductors with lugs					
	Nominal Output Frequency	60 Hz					
	Power Factor (Unity default)	+/- 0.80 Adjustable					
	Total Harmonic Distortion (THD) @ Rated Load	< 5%					
Efficiency	Grid Connection Type	3-Ph + N/GND					
	Peak Efficiency	99.0%					
	CEC Average Efficiency	98.5%					
	Tare Loss	<1 W					
Temperature	Ambient Temperature Range	-40°F to 140°F (-40°C to 60°C)					
	De-Rating Temperature	113°F (45°C)	127°F (53°C)	113°F (45°C)	131°F (55°C)		
	Storage Temperature Range	-40°F to 167°F (-40°C to 75°C)					
	Relative Humidity (non-condensing)	0 - 95%					
Communications	Operating Altitude	9,840 ft (3 km)					
	Advanced Graphical User Interface	WiFi					
	Communication Interface	Ethernet					
	Third-Party Monitoring Protocol	SunSpec Modbus TCP/IP					
	Web-Based Monitoring	Optional					
Testing & Certifications	Firmware Updates	Remote and Local					
	Safety Listings & Certifications	UL 1741, IEEE 1547, UL 1998					
	Advanced Grid Support Functionality	Rule 21, UL 1741SB					
	Testing Agency	ETL					
Warranty	FCC Compliance	FCC Part 15 (Subpart B, Class A)					
	Standard and Options	5 Years Standard; Option for 10 Years					
Enclosure	Acoustic Noise Rating	73 dBA @ 1 m ; 67dBA @ 3 m					
	DC Disconnect	Integrated 2-Pole 400 A DC Disconnect					
	Mounting Angle	Vertical only					
	Dimensions	Height: 29.5 in. (750 mm) Width: 44.3 in. (1125 mm) Depth: 15.4 in. (390 mm)					
	Weight	290 lbs (131.5 kg)					
	Enclosure Rating and Finish	NEMA 4X, IEC IP66, Type 3R, Polyester Powder-Coated Aluminum					

