

# YASKAWA

# SOLECTRIA XGI 1500

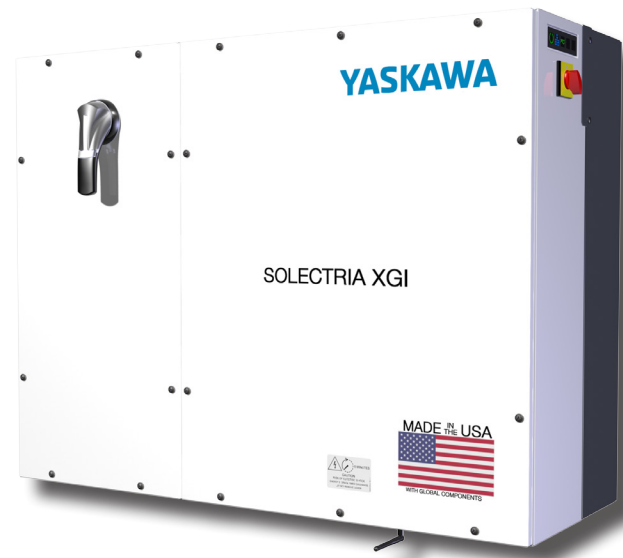
## Premium 3-Ph Transformerless Utility-Scale Inverters

### Features

- Made in the USA with global components
- Robust, dependable and built to last
- Flexible solution for distributed and centralized system architecture
- Lowest O&M and installation costs
- Multiple communication platforms
- Remote firmware upgrades
- Advanced grid support functionality

### Options

- Fiber optic communications
- Revenue grade metering
- Extended warranty
- Attachable string combiner for distributed architecture
- MC4 or H4 PV Connectors for string combiner



Yaskawa Solectria Solar's XGI 1500 inverters are the most powerful 1500VDC string inverters announced to the PV market. Their quality and reliability are unmatched, backed by Yaskawa's test standards. Each component is tested and proven to last beyond warranty time periods. The standard Ethernet and optional fiber optic communication interfaces provide customers the ability to perform remote diagnostics and firmware/software upgrades.

MADE IN THE USA



With U.S. and Global Components

## SOLECTRIA SOLAR

# SOLECTRIA XGI 1500

## Specifications

	XGI 1500-125	XGI 1500-166
<b>DC Input</b>		
Absolute Maximum Input Voltage	1500 VDC	
Maximum Power Input Voltage Range (MPPT)	860-1250 VDC	
Operating Voltage Range (MPPT)	860-1450 VDC	
MPP Trackers	1	
Maximum Operating PV Power	127 kW	169 kW
Maximum Recommended DC to AC Ratio	1.5	
Maximum Rated PV Input	188 kWdc	250 kWdc
<b>Attachable String Combiner</b>		
Max Number of DC Inputs	20	24
Fuse Options	15, 20, 30 A	
PV Connector Options	Amphenol H4 or Multi-Contact MC4	
DC Disconnect	Integrated, both positive and negative poles	
Dimensions	29.5 in. x 12 in. x 15.1 in. (750 x 325 x 384 mm)	
<b>AC Output</b>		
Nominal Output Voltage	600 VAC, 3-Ph	
AC Voltage Range	528-660 VAC (-12/+10%)	
Continuous Output Power	125 kW	166 kW
Continuous Apparent Output Power	125 kVA	166 kVA
Maximum Output Current	120 A	160 A
Nominal Output Frequency	50 Hz / 60 Hz / 60.5 Hz	
Power Factor	-0.85 / 1.0 / +0.85	
Total Harmonic Distortion (THD) @ Rated Load	<3%	
Grid Connection Type	3-Ph + N/GND	
<b>Efficiency</b>		
Peak Efficiency	98.8%	98.7%
CEC Efficiency	98.5%	
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)	
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 or Optional Multi-Mode Fiber	
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	5 year	
Optional	10 or 15 year; Extended Service Agreement	
<b>Enclosure</b>		
dBA (Decibel) Rating	55 dBA @ 1 m; 35 dBA @ 10 m	
DC Disconnect	Integrated, both positive and negative poles	
Mounting Angle	Vertical only	
Dimensions (H x W x D)	29.5 in. x 38.4 in. x 15.1 in. (750 x 975 x 384 mm)	
Weight	230 lbs (104 kg)	
Enclosure Rating	Type 4X	
Enclosure Finish	Powder Coated Aluminum	

**SOLECTRIA SOLAR**

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