



STATE OF CONNECTICUT  
*CONNECTICUT SITING COUNCIL*

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**VIA ELECTRONIC MAIL**

July 26, 2022

Paul R. Michaud, Esq.  
Principal/Managing Attorney  
Michaud Law Group LLC  
101 Centerpoint Drive, Suite 230  
Middletown, CT 06457  
[pmichaud@michaud.law](mailto:pmichaud@michaud.law)

RE: **PETITION NO. 1487** – TRITEC Americas, LLC declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed construction, maintenance and operation of a 1.97 megawatt AC solar photovoltaic electric generating facility located at 254 Putnam Road, Pomfret, Connecticut, and associated electrical interconnection.

Dear Attorney Michaud:

The Connecticut Siting Council (Council) is in receipt of your correspondence dated July 25, 2022 regarding a project change for the above-referenced declaratory ruling issued by the Council on June 10, 2022.

Pursuant to Condition No. 1 of the Council's June 10, 2022 Declaratory Ruling, the request to use a different inverter model at the site, thereby increasing the output of the facility from 1.97 MW AC to 1.99 MW AC, is hereby approved. The project change is necessary due to product availability. The new inverter model has the same noise characteristics as the previously approved inverter model, thus no change in operational noise from the facility is anticipated.

This approval applies only to the project change in the correspondence dated July 25, 2022. Any significant changes to the project require advance Council notification and approval.

Please be advised that deviations from the standards established by the Council in the Declaratory Ruling are enforceable under the provisions of Connecticut General Statutes §16-50u.

Thank you for your attention and cooperation.

Sincerely,

Melanie A. Bachman  
Executive Director

c: Honorable Maureen A. Nicholson, First Selectman, Town of Pomfret  
([Maureen.Nicholson@pomfretct.gov](mailto:Maureen.Nicholson@pomfretct.gov))



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July 25, 2022

**VIA ELECTRONIC MAIL**

Melanie Bachman, Esq.  
Executive Director  
Connecticut Siting Council  
10 Franklin Square  
New Britain, CT 06051

Re: **PETITION NO. 1487** – TRITEC Americas, LLC petition for a declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed construction, maintenance and operation of a 1.97-megawatt AC solar photovoltaic electric generating facility located at 254 Putnam Road, Pomfret, Connecticut, and associated electrical interconnection.

Dear Attorney Bachman:

This letter is to inform the Connecticut Siting Council (“Council”) that TRITEC Americas, LLC (“Petitioner”) will be conducting an equipment change for the above-referenced project. Due to product availability, Petitioner will be replacing the inverters. This equipment change will increase the project output from 1.97MW to 1.99MW. There is no impact on the site layout approved by the Council.

Please feel free to contact me if you have any questions.

Very truly yours,

Paul R. Michaud  
Dylan J. Gillis

# SOLECTRIA™ XGI 1500

## PREMIUM 3-PHASE TRANSFORMERLESS UTILITY-SCALE INVERTERS

### FEATURES

- Made in the USA with global components
- Buy American Act (BAA) compliant
- Four models:
  - 125kW/125kVA,
  - 125kW/150kVA,
  - 150kW/166kVA,
  - 166kW/166kVA
- 99.0% peak efficiency
- Flexible solution for distributed and centralized system architecture
- Advanced grid-support functionality Rule 21/UL1741SA
- 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
- app for system visibility

### OPTIONS

- String combiners for distributed and centralized systems
- Web-based monitoring
- Extended warranty

MADE IN THE USA



With U.S. and Global Components



Yaskawa Solectria Solar's XGI 1500 utility-scale string inverters are designed for high reliability and built of the highest quality components that were selected, tested and proven to last beyond their warranty.

XGI 1500 inverters provide advanced grid-support functionality and meet the latest IEEE 1547 and UL 1741 standards for safety. They are the most powerful 1500 VDC string inverters in the PV market and have been engineered for both distributed and centralized system architecture.

Designed and engineered in Lawrence, MA, XGI inverters are assembled and tested at Yaskawa America's facilities in Buffalo Grove, IL. They are Made in the USA with global components and are compliant with the Buy American Act.

**YASKAWA**  
SOLECTRIA SOLAR

Yaskawa Solectria Solar | 1-978-683-9700 | Email: [inverters@solectria.com](mailto:inverters@solectria.com) | [solectria.com](http://solectria.com)  
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# SOLECTRIA™ XGI 1500 TECHNICAL DATA

## SPECIFICATIONS

SOLECTRIA XGI 1500 Model		XGI 1500-125/125	XGI 1500-125/150	XGI 1500-150/166	XGI 1500-166/166
DC Input	Absolute Maximum Input Voltage	1500 VDC	1500 VDC	1500 VDC	1500 VDC
	Maximum Power Input	860-1250 VDC	860-1250 VDC	860-1250 VDC	860-1250 VDC
	Voltage Range (MPPT)	860-1450 VDC	860-1450 VDC	860-1450 VDC	860-1450 VDC
	Operating Voltage Range (MPPT)	1 MPPT	1 MPPT	1 MPPT	1 MPPT
	Number of MPP Trackers	148.3 A	148.3 A	178.0 A	197.7 A
	Maximum Operating Input Current	128 kW	128 kW	153 kW	170 kW
	Maximum Operating PV Power	2.6   332 kW	2.6   332 kW	2.2   332 kW	2.0   332 kW
	Maximum DC/AC Ratio   Max Rated PV Power	500 A	500 A	500 A	500 A
Max Rated PV Short-Circuit Current (I <sub>sc</sub> x 1.25)	600 VAC, 3-Ph	600 VAC, 3-Ph	600 VAC, 3-Ph	600 VAC, 3-Ph	
AC Output	Nominal Output Voltage	-12% to +10%	-12% to +10%	-12% to +10%	-12% to +10%
	AC Voltage Range	125 kW	125 kW	150 kW	166 kW
	Continuous Real Output Power	125 kVA	150 kVA	166 kVA	166 kVA
	Continuous Apparent Output Power	120 A	144 A	160 A	160 A
	Maximum Output Current	60 Hz	60 Hz	60 Hz	60 Hz
	Nominal Output Frequency	+/- 0.80	+/- 0.80	+/- 0.80	+/- 0.80
	Power Factor (Unity default)	Adjustable	Adjustable	Adjustable	Adjustable
	Total Harmonic Distortion (THD) @ Rated Load	<3%	<3%	<3%	<3%
	Grid Connection Type	3-Ph + N/GND	3-Ph + N/GND	3-Ph + N/GND	3-Ph + N/GND
	Fault Current Contribution (1 cycle RMS)	144 A	173 A	192 A	192 A
Efficiency	Peak Efficiency	98.9%	98.9%	99.0%	99.0%
	CEC Average Efficiency	98.5%	98.5%	98.5%	98.5%
	Tare Loss	<1 W	<1 W	<1 W	<1 W
Temperature	Ambient Temperature Range	-40°F to 140°F (-40C to 60C)		-40°F to 140°F (-40C to 60C)	
	De-Rating Temperature	122°F (50C)		113°F (45C)	
	Storage Temperature Range	-40°F to 167°F (-40C to 75C)		-40°F to 167°F (-40C to 75C)	
	Relative Humidity (non-condensing)	0 - 95%		0 - 95%	
Communications	Operating Altitude	Full Power up to 9,840 ft (3.0 km); De-Rate to 70% of Full Power at 13,123 ft (4.0 km)			
	Advanced Graphical User Interface	WiFi			
	Communication Interface	Ethernet			
	Third-Party Monitoring Protocol	SunSpec Modbus TCP/IP			
	Web-Based Monitoring	Optional			
	Firmware Updates	Remote and Local			
Testing & Certifications	Safety Listings & Certifications	UL 1741, IEEE 1547, UL 1998			
	Advanced Grid Support Functionality	Rule 21, UL 1741SA			
	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 250 A DC Disconnect			
	Mounting Angle	Vertical only			
	Dimensions	Height: 29.5 in. (750 mm)   Width: 39.4 in. (1000 mm)   Depth: 15.1 in. (380 mm)			
	Weight	270 lbs (122 kg)			
	Enclosure Rating and Finish	Type 4X, Polyester Powder-Coated Aluminum			



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