

SOLECTRIA® XGI 1500 PV COMBINERS

INCREASED DESIGN FLEXIBILITY FOR SOLECTRIA XGI 1500 INVERTERS

FEATURES

- Designed for use with SOLECTRIA XGI 1500 inverters
- Models with a 250 A DC disconnect switch:
 - Remote Combiner, with both polarities fused
 - Remote Combiner, with positive polarity fused
 - Remote Combiner, with positive polarity fused and fused output
 - Attached Combiner, with both polarities fused
 - 250 A DC disconnect switch
- Models with a 400 A DC disconnect switch:
 - Remote Combiner, with positive polarity fused
 - Remote Combiner, with positive polarity fused and fused output
 - 400 A DC disconnect switch
- 16, 20, 24 and 28 fuse positions
- Fuse options: 20 A, 25 A, 30 A, 32 A (not all fuse size options available for all models; see technical specs)
- Surge arrestor, both polarities (see technical specs)
- Made in the USA with global components
- Buy American Act (BAA) compliant



Yaskawa Solectria Solar offers its 1500 V Combiners for exclusive use with SOLECTRIA XGI 1500 inverters



Yaskawa Solectria Solar's 1500 V Combiners feature the highest quality and durability in the industry today. The Combiners match the XGI 1500 Inverters in quality and appearance, and satisfy the National Electrical Code for systems with ungrounded PV source circuits.

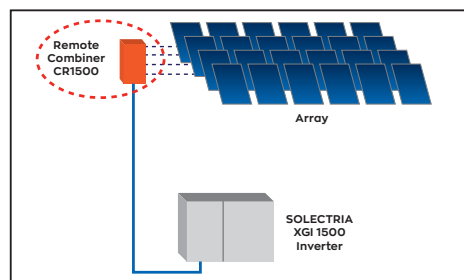
The 1500 V Attachable Combiner is designed to mate to the XGI 1500-166 family of inverters. This combiner has fuses on the positive and negative poles, and a 250A disconnect switch.

The 1500 V Remote Combiners come in three versions for the XGI 1500 inverters, providing flexibility to meet different code and project requirements. Models are available with both polarities fused, or just the positive polarity fused. The newest models also include a fused output, to take advantage of the maximum current calculation using NEC 690.8(A)(2).

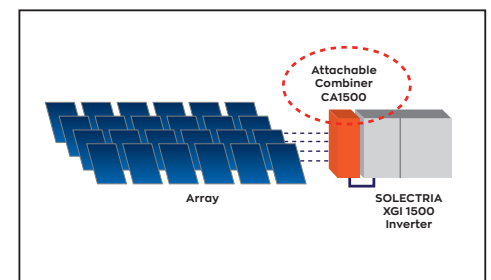
Yaskawa Solectria Solar provides a full line of Remote Combiners, with models featuring a 250 A disconnect switch, and additional models with a 400 A disconnect switch, for compatibility with all XGI 1500-166 series and XGI 1500-250 series inverters.

All Yaskawa Solectria Solar XGI Inverters and Combiners are Made in the USA, with global components, and are compliant with the Buy American Act.

CENTRALIZED OR CLUSTERED PV SYSTEM



DISTRIBUTED PV SYSTEM



SOLECTRIA® XGI 1500 PV COMBINERS

TECHNICAL DATA

SPECIFICATIONS

| Specification | MODELS WITH 250 A DISCONNECT SWITCH | | | | MODELS WITH 400 A DISCONNECT SWITCH | |
|--|--|--|---------------------------------|--|--|--|
| | ATTACHABLE COMBINER * BOTH POLES FUSED | REMOTE COMBINER BOTH POLES FUSED | REMOTE COMBINER POS. POLE FUSED | REMOTE COMBINER POS. POLE FUSED OUTPUT FUSED | REMOTE COMBINER POS. POLE FUSED | REMOTE COMBINER POS. POLE FUSED OUTPUT FUSED |
| Model Format | CA1500-xx-yy(S) | CR1500-xx-yy(S) | CR1500-xxP-yy(S) | CR1500-xxP-yyF-250S | CR1500-xxP-yyS-400 | CR1500-xxP-yyF-400S |
| | xx = # source circuits / yy = fuse rating (Amps) / (S): optional surge protection / S: Standard surge protection / P: positive fuse only 250S: Standard surge protection, 250 A DC switch and 315 A output fuse / 400S: Standard surge protection, 400 A DC switch and 450 A output fuse 400: 400 A DC disconnect switch / * Attachable Combiner only compatible with XGI 1500-166 series inverters. | | | | | |
| Fuse Configuration | BOTH Poles Fused | | POSITIVE Pole Fused | POSITIVE Pole Fused OUTPUT Fused | POSITIVE Pole Fused | POSITIVE Pole Fused OUTPUT Fused |
| Input Wire Compatibility | 14 - 4 AWG, PV-Rated, Copper Wire Only | | | 14 - 6 AWG, PV-Rated, Copper Wire Only | 14 - 4 AWG, PV-Rated, Copper Wire Only | 14 - 6 AWG, PV-Rated, Copper Wire Only |
| Maximum Output Wire Compatibility | Compression Lug Required, Cu or Aluminum Conductors | | | | | |
| | 1 or 2 Conductors at 500 kcmil | | | 1 or 2 Conductors at 600 kcmil | 1 Conductor at 750 kcmil 2 Conductor at 500 kcmil | 1 or 2 Conductors at 600 kcmil |
| Maximum Voltage | 1500 VDC | | | | | |
| DC Disconnect | DC Disconnect Located on XGI 1500 Inverter | 2-Pole Integrated DC Disconnect Positive and Negative Poles Switched | | | | |
| DC Disconnect Current Rating | 250 A | | | | 400 A | |
| Input PV Source Circuit Configuration | Ungrounded PV Source Circuits Only | | | | | |
| Temperature Range | -40°F to 122°F (-40°C to +50°C) | | | -40°F to 140°F (-40°C to +60°C) | -40°F to 122°F (-40°C to +50°C) | -40°F to 140°F (-40°C to +60°C) |
| Mounting Positions | Attaches to Inverter Structure, Vertical Orientation | Indoor, Outdoor, Wall Array Structure, Vertical, Horizontal, or Angled | | | | |
| Safety Certification and Listing | UL 1741 / Intertek | | | UL 1741 / TUV | UL 1741 / Intertek | UL 1741 / TUV |
| Standard Warranty | 5 Years | | | | | |
| Overall | Height | 29.5 in. (750 mm) | 29.5 in. (750 mm) | 30.0 in. (762 mm) | | |
| | Width | 15 in. (380 mm) | 18.1 in. (460 mm) | 24.0 in. (610 mm) | | |
| | Depth | 10.6 in. (260 mm) | 11 in. (280 mm) | 8.0 in. (203 mm) | | |
| Enclosure Material and Rating | Polyester Powder Coated Aluminum NEMA Type 4X | | | Polyester Powder Coated Steel NEMA Type 4 | | |
| Weight | Approximately 45 lb (varies by model) | | | Approximately 80 lb (varies by model) | | |
| Surge Protection | Optional, Protects Positive and Negative Poles | | | Standard, Protects Positive and Negative Poles | | |
| Fuse Options | MODELS WITH 250 A DISCONNECT SWITCH | | | | MODELS WITH 400 A DISCONNECT SWITCH | |
| # Fuse Positions | 16 | 15 A / 20 A / 30 A | | | 20 A / 25 A / 30 A / 32 A | |
| | 20 | 15 A / 20 A / 25 A | | | 20 A / 25 A / 30 A / 32 A | |
| | 24 | 15 A / 20 A | | | 20 A / 25 A / 30 A / 32 A | |
| | 26 | 15 A / 20 A | N/A | | N/A | |
| | 28 | 15 A / 20 A | | | 20 A / 25 A / 30 A / 32 A | |
| Output Fuse Rating | N/A | | | 315 A | N/A | 450 A |

