



### Engineering Specification Sheet

#### PROMINENCE SERIES configurable string combiner box with monitoring

#### GENERAL INFORMATION

- **Description:** Configurable string fused combiner box; up to 36 strings. 1000VDC Rated.
- **Enclosures:**
  - NEMA 4X Fiberglass (Standard):
  - NEMA 4 Metallic (Optional):
  - NEMA 4X 316 Stainless (Optional)

#### Part number

PR-X\*M-FG

PR-X\*M-S

PR-X\*M-SS

X\* = Configured Number of Strings

\*Enclosure sizes will vary depending on configured string count.

- **Fuse holders:** Finger safe, non-load break fuse holders. 30A, 1000VDC rated. Fuse amperage rating may differ as long as total amperes of all fuses do not exceed the bus rating or 30A per string.

#### TECHNICAL SPECIFICATIONS

- **String Current Monitor (SCM):** 12 input per board, 24 VDC input operating voltage, consumes 140-250mA, 2 Wire RS485 output, ModBus/RTU protocol, +/- 5% of full scale accuracy. For more information see [www.obvius.com](http://www.obvius.com)
- **Input Wires:** Fuses: X\* total, 8-14AWG, 90°C, Cu Wire
- **Output Wires:** Fused, Non-Fused: 1 ea., 350MCM-6AWG, 90°C, Cu/Al Wire  
\*Dual 350MCM-6AWG, 90°C, Cu/Al Wire (Optional)
- **Ground Terminals:** 1 ea., 350MCM-6AWG, 90°C, Cu/Al Wire  
X\* total, 4-14AWG, 90°C, Cu/Al Wire
- **Operating Temperature, Humidity:** -10°C to +60°C (15°F to 130°F), 0-100% Humidity
- **Busbars:** C11000 Alloy (Copper), electroplated to prevent corrosion. Rated continuous duty.

#### FEATURES

- **Safety shields:** Lexan shields over all live parts for a completely deadfront unit.
- **Labeling:** All components, wire ranges, torque values silkscreened onto backpan.
- **Mounting panel:** White powder coat with integrated wire management, hydraulically inserted threaded nuts for maximum gripping strength.
- **Insulators:** All busbars are supported by 1000VDC rated insulators for added rigidity.
- **Integrated Monitoring:** See next page for information on the Obvius A89DC-08 SCM

#### OPTIONS

- **Surge Protection:** Surge protection can be added for an additional cost. Just add "SP" at the end of part number.
- **Power Supply:** 24VDC power supply pre-installed with wiring to SCMs.

#### APPROVALS

- Listed to UL1741, CAN/CSA C22.2 Listed, CE Listed @ 1000Volts.

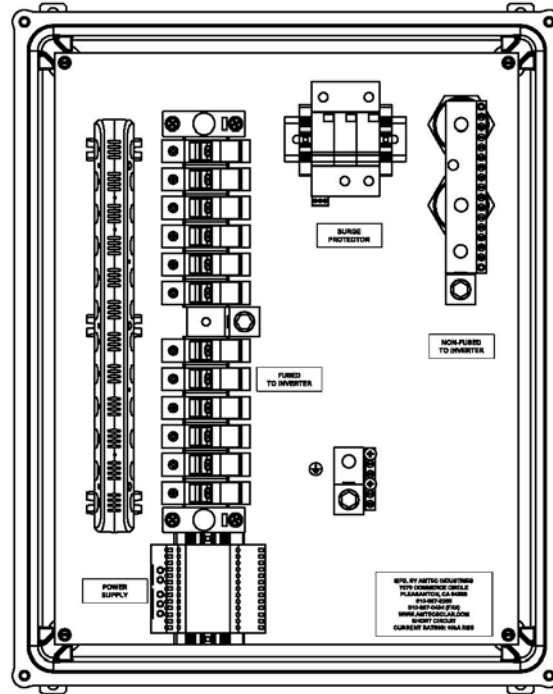


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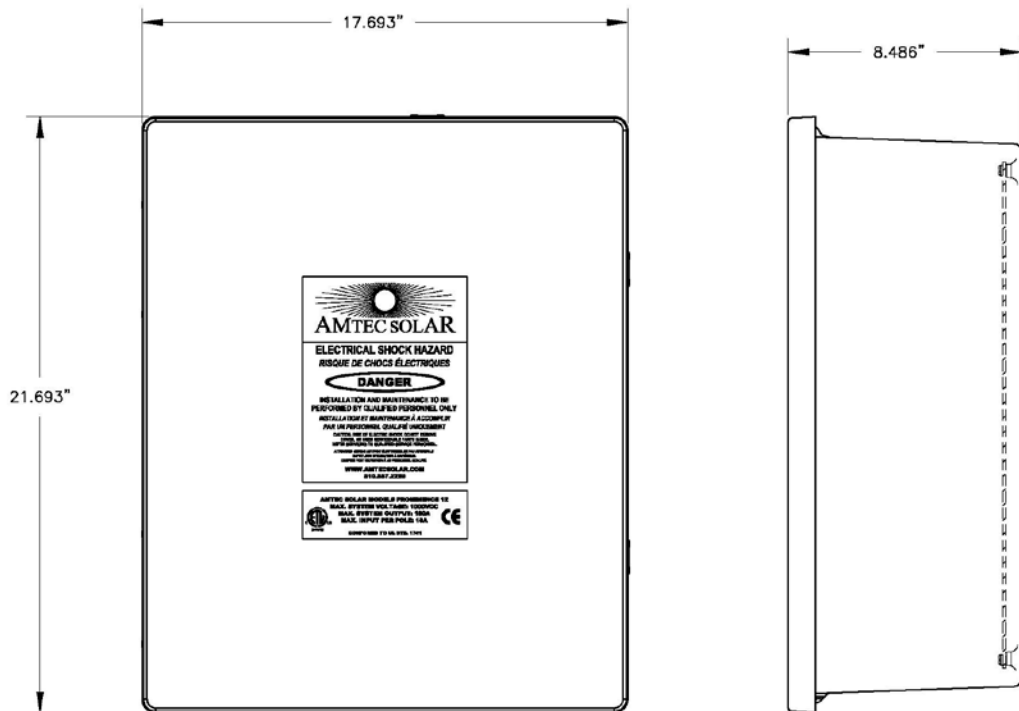
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510.887.2289





FRONT VIEW – INTERNAL



FRONT VIEW

SIDE VIEW

- Representative of string configurations up to 12 strings-
- Shown with optional surge suppression and power supply-
- Layouts shown are for standard fiberglass enclosure-

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