

**Engineering Specification Sheet****PROMINENCE SERIES 8 string combiner box with monitoring and 200 amp disconnect switch****GENERAL INFORMATION**

- **Description:** 8 string fused combiner box with 200A disconnect and string current monitor. 200A at 600VDC maximum output.
- **Dimensions:**

		<b>Part Number</b>
○ NEMA 4X Fiberglass (Standard):	21.68" x 17.68" x 8.83", 40 lbs.	PR-8M-200-FG
○ NEMA 4 Metallic (Optional):	21.68" x 17.68" x 8.83", 44 lbs.	PR-8M-200-S
○ NEMA 4X 316 Stainless (Optional)	21.68" x 17.68" x 8.83", 43 lbs.	PR-8M-200-SS
- **Fuse holders:** 8 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**

- **Disconnect Switch:** 600 VDC, 200A, load break, rated for continuous duty class DC-21.
- **String Current Monitor (SCM):** 8 input, 24 VDC input operating voltage, consumes 382mA, 2 Wire RS485 output, ModBus RTU protocol, +/- 1% of full scale accuracy. For more information see [www.obvius.com](http://www.obvius.com)
- **Input Wires:** Fuses: 8 total, 8-14AWG, 75°C, Cu Wire
- **Output Wires:** Fused, Non-Fused: 1 ea., 350MCM-6AWG, 90°C, Cu/Al Wire
- **Ground Terminals:** 1 ea., 350MCM-6AWG, 75°C, Cu/Al Wire  
13 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.

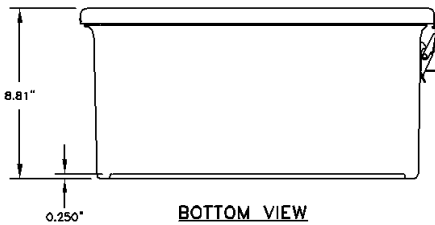
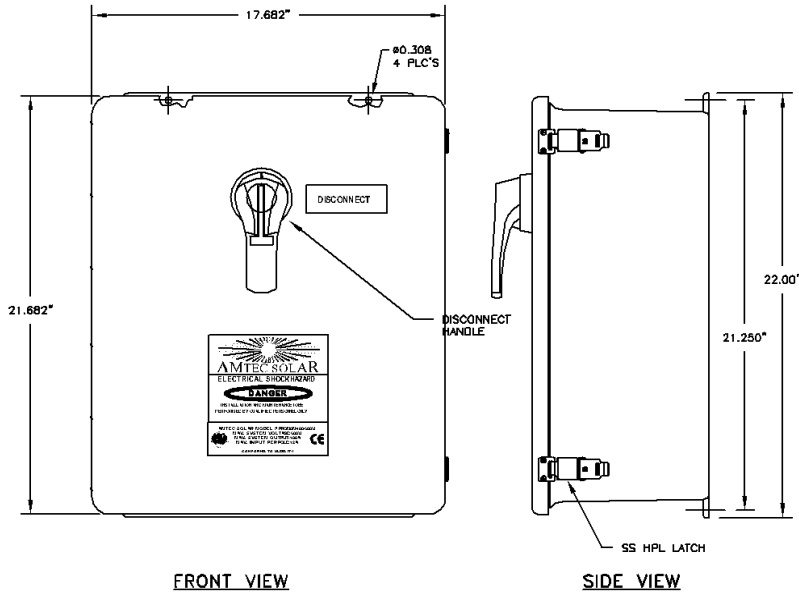
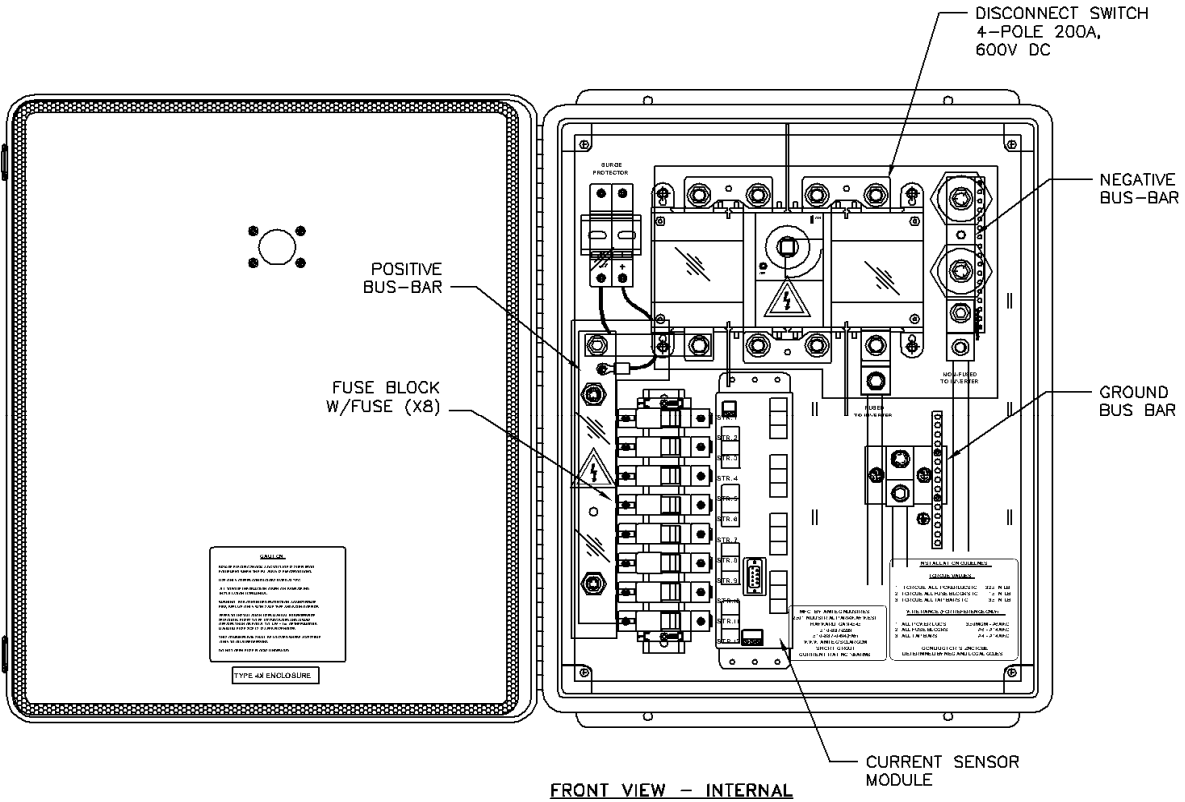
**OPTIONS**

- **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 @ 600Volts.





-Layouts shown are for standard fiberglass enclosure-