



**Engineering Specification Sheet**  
**PROMINENCE SERIES 8 string combiner box with 200 amp disconnect switch**

**GENERAL INFORMATION**

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

		<b>Part number</b>
○ NEMA 4X Fiberglass (Standard):	21.68" x 17.68" x 8.81", 45 lbs.	PR-8-200-FG
○ NEMA 4 Metallic (Optional):	21.68" x 17.68" x 8.81", 50 lbs.	PR-8-200-S
○ NEMA 4X 316 Stainless (Optional)	21.68" x 17.68" x 8.81", 50 lbs.	PR-8-200-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.
- **Input Wires:**

Fuses:	8 total, 8-14AWG, 75°C, Cu Wire
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- **Output Wires:**

Fused, Non-Fused:	1 ea., 350MCM-6AWG, 90°C, Cu/Al Wire
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- **Ground Terminals:**

	1 ea., 350MCM-6AWG, 90°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 as "SP" at the end of part number.
- **Monitoring:** Our PR-8M-200 has a preinstalled string current monitor capable of monitoring up to 8 incoming strings at +/- 1% accuracy. 2 Wire, Modbus RTU output.

**APPROVALS**

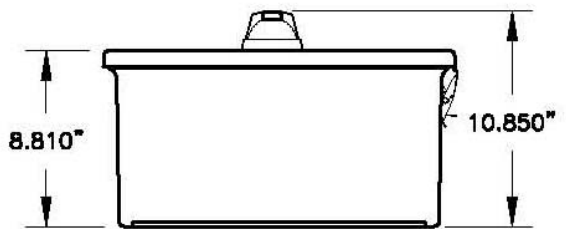
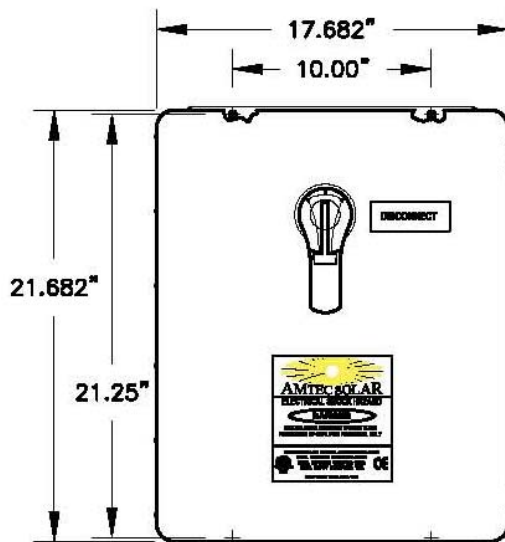
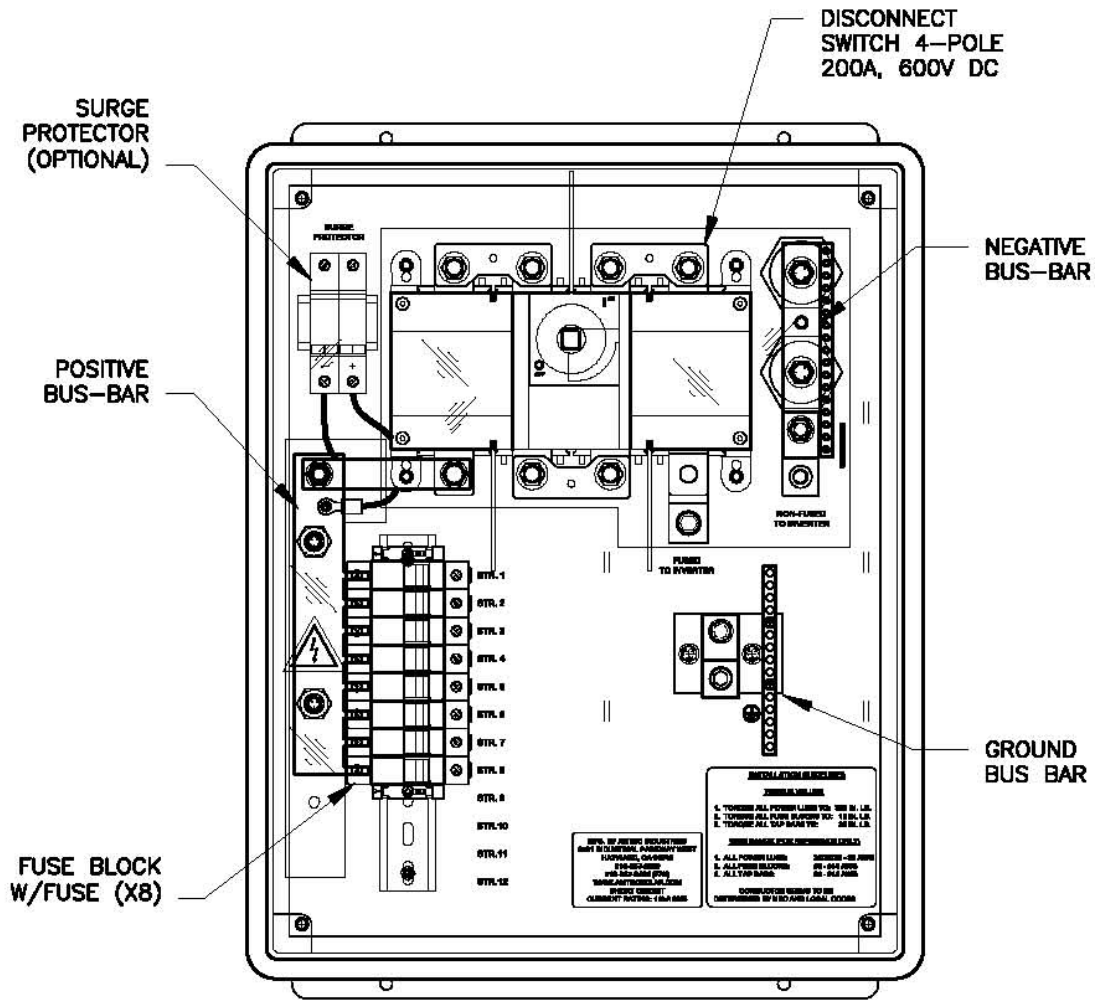
- Listed to UL1741, CAN/CSA C22.2 Listed @ 600Volts, CE Listed @ 1000Volts.

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**BOTTOM VIEW**

-Layouts shown are for standard fiberglass enclosure-

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