



### **Engineering Specification Sheet**

#### **PROMINENCE SERIES 16 string combiner box with 200 amp disconnect switch**

#### **GENERAL INFORMATION**

- **Description:** 16 string fused combiner box with 200A disconnect.
- **Dimensions:**

		<b>Part number</b>
○ NEMA 4X Fiberglass (Standard):	25.59" x 21.59" x 10.39"	PR-16-200-FG
○ NEMA 4 Metallic (Optional):	24.00" x 20.00" x 8.00"	PR-16-200-S
○ NEMA 4X 316 Stainless (Optional)	24.00" x 20.00" x 8.00"	PR-16-200-SS
- **Fuse holders:** 16 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:	16 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 to +60°C (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.
- **Monitoring:** String level monitoring available with RS485 output. See p/n PR-16M-200-xx

#### **APPROVALS**

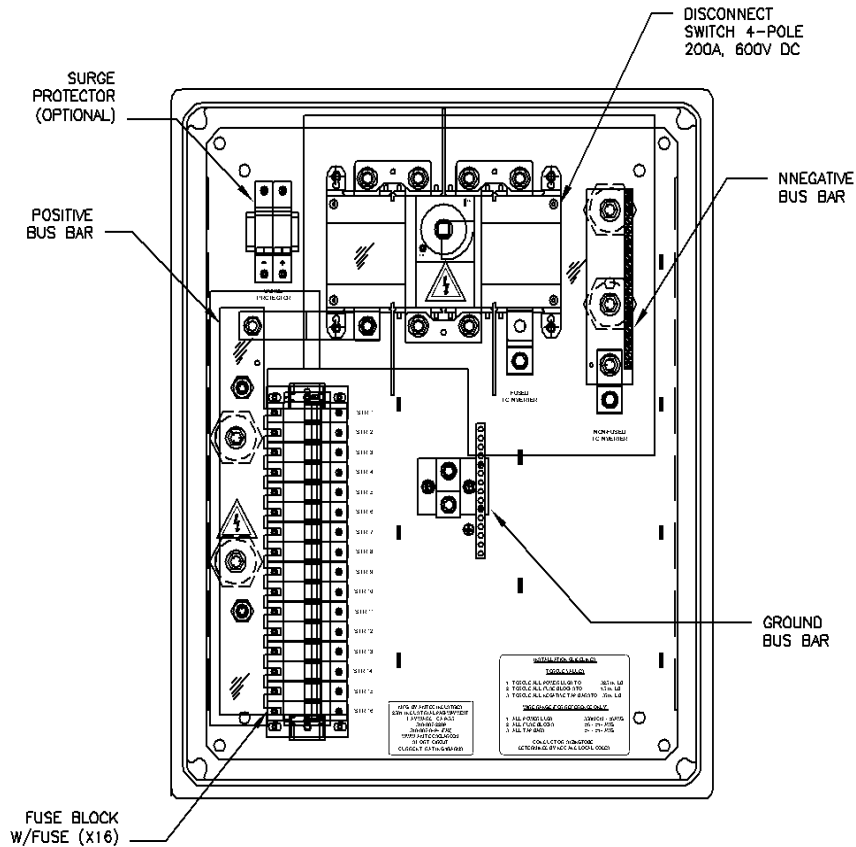
- Listed to UL1741, CAN/CSA C22.2 Listed @ 600Volts, CE Listed @ 1000Volts.



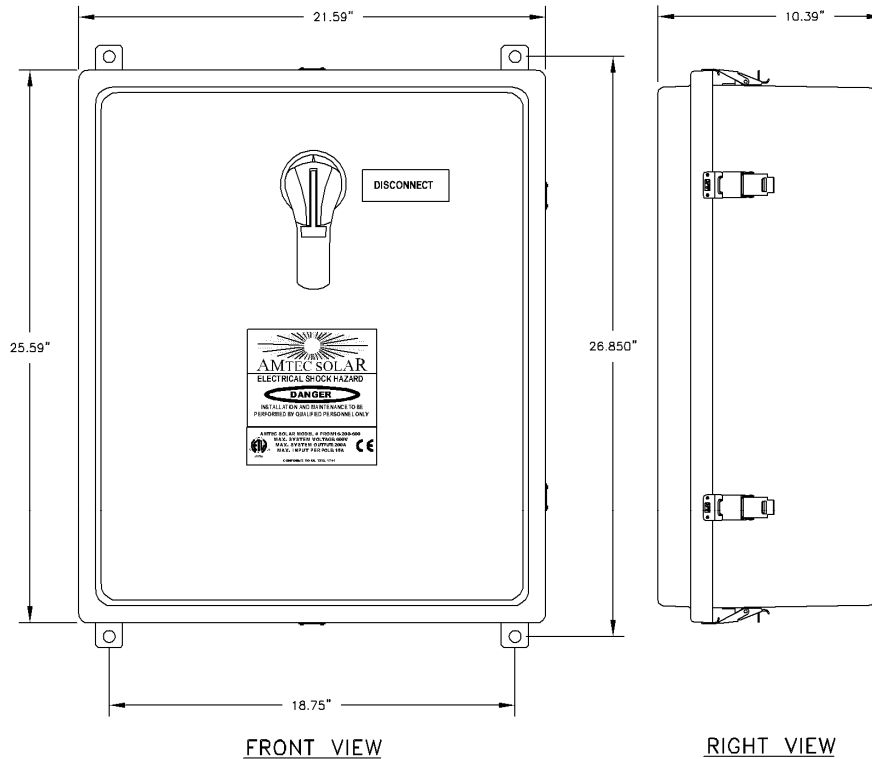
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DRAWING ABOVE SHOWS INTERNAL COMPONENTS



-Layouts shown are for standard fiberglass enclosure-