



Engineering Specification Sheet

PROMINENCE SERIES 24 string combiner box with monitoring and 400 amp disconnect switch

GENERAL INFORMATION

- **Description:** 24 string fused combiner box with 400A disconnect and (3) string current monitors. 400A at 600VDC maximum output.
- **Dimensions:**

○ NEMA 4X Fiberglass (Standard):	36.00" x 30.00" x 8.00", 110lbs.	Part number	PR-24M-400-FG
○ NEMA 4 Metallic (Optional):	36.00" x 30.00" x 8.00", 120lbs		PR-24M-400-S
○ NEMA 4X 316 Stainless (Optional)	36.00" x 30.00" x 8.00", 120lbs		PR-24M-400-SS
- **Fuse holders:** 24 finger safe, non-load break fuse holders. 30A, 1000VDC rated.

TECHNICAL SPECIFICATIONS

- **Disconnect Switch:** 600 VDC, 400A, 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
- **Input Wires:**

Fuses:	24 total, 8-14AWG, 75°C, Cu Wire
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- **Output Wires:**

Fused, Non-Fused:	2 ea. 350MCM-6AWG, 90°C, Cu/Al Wire
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- **Ground Terminals:**

2 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.

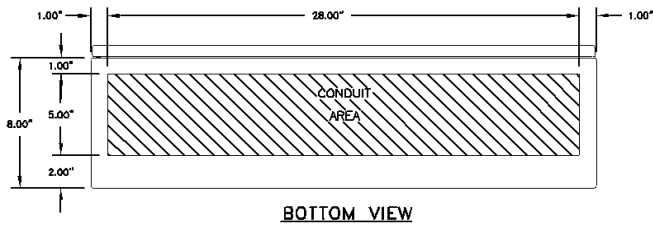
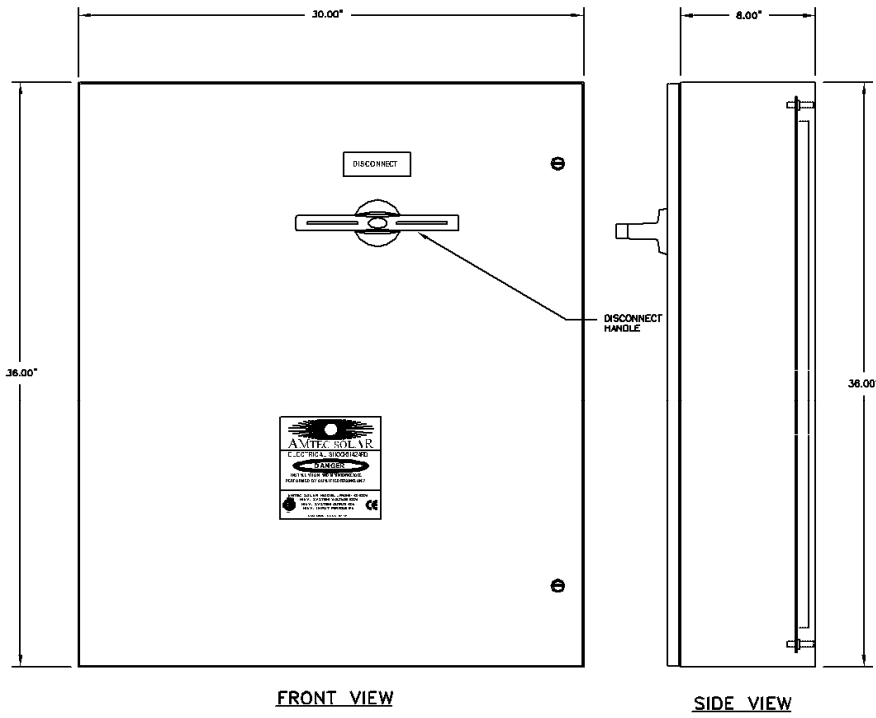
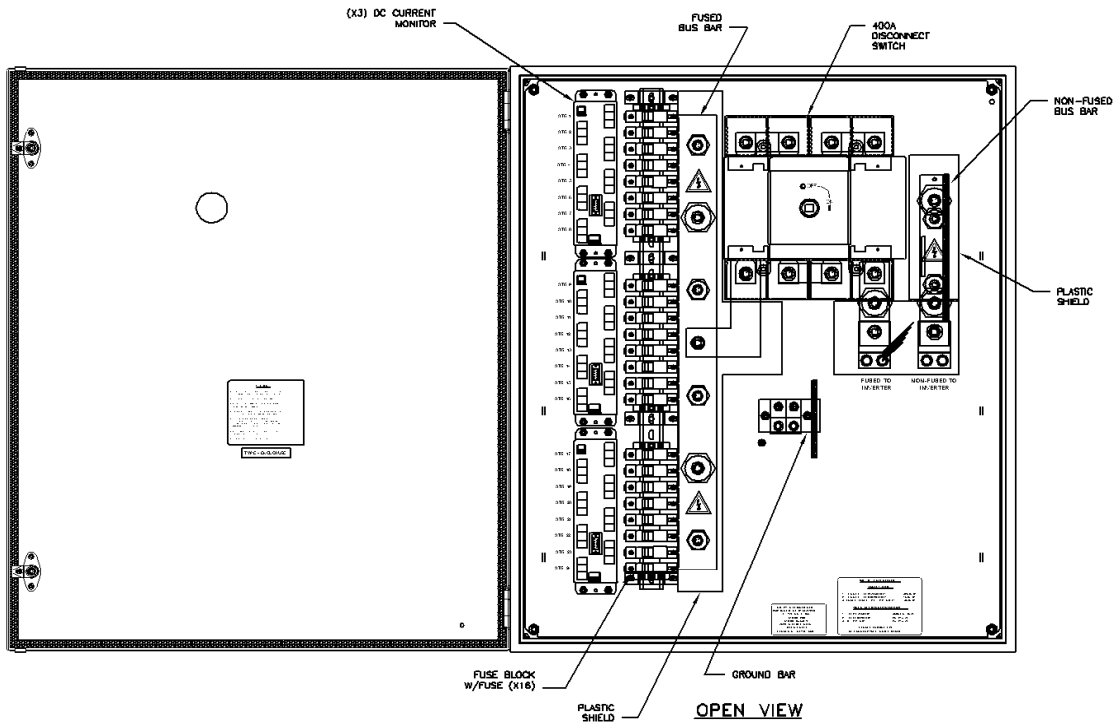
OPTIONS

- **Surge Protection:** Surge protection can be added for an additional cost. Just 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 @ 600Volts, CE Listed @ 1000Volts.





-Layouts shown are for NEMA 4 steel enclosure-