



Engineering Specification Sheet
PROMINENCE SERIES 32 string combiner box with monitoring

GENERAL INFORMATION

- **Description:** 32 string fused combiner box with 640A at 600VDC maximum output.
- **Dimensions:**

		Part Number
○ NEMA 4 Metallic (Standard):	36.00" x 30.00" x 8.00"	PR-32M-S
○ NEMA 4X Fiberglass (Optional):	36.25" x 30.00" x 8.00"	PR-32M-FG
○ NEMA 4X 316 Stainless (Optional)	36.00" x 30.00" x 8.00"	PR-32M-SS
- **Fuse holders:** 32 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):** 8 inputs, 24VDC 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:	32 total, 8-14AWG, 75°C, Cu Wire
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- **Output Wires:**

Fused, Non-Fused:	2 ea. 600MCM-6AWG, 90°C, Cu/Al Wire
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- **Ground Terminals:**

2 ea. 350MCM-6AWG, 90°C, Cu/Al Wire
12 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.
- **Mod Hopper:** Wireless Modbus/Pulse Transceiver.

APPROVALS

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

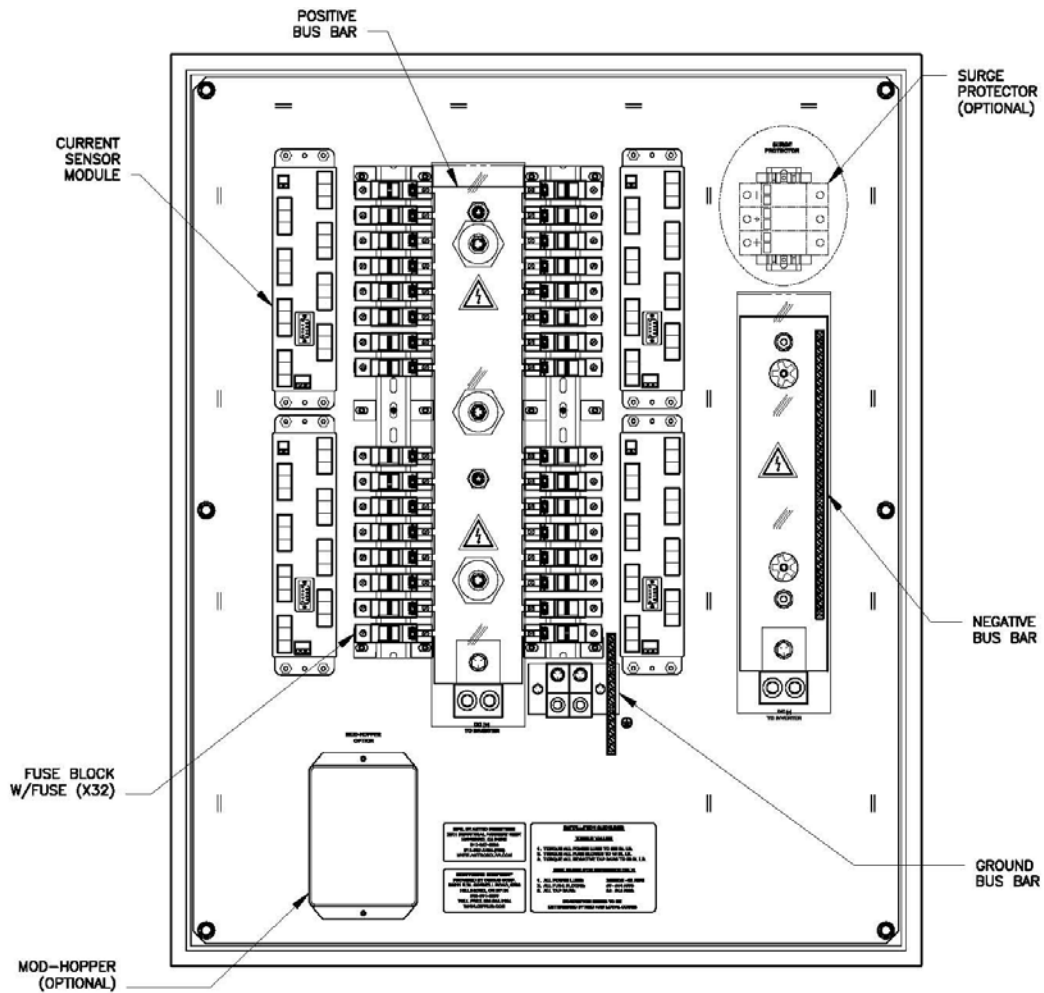


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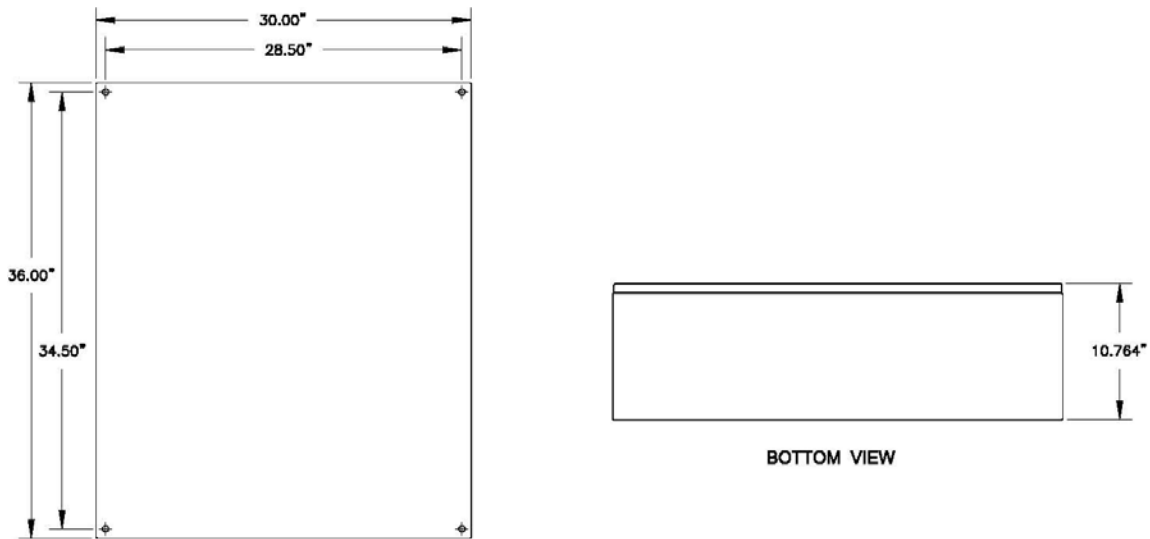
www.amtecsolar.com

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DRAWING ABOVE SHOWS INTERNAL COMPONENTS



REAR VIEW WITH MOUNTING LOCATIONS
 -Layouts shown are for standard NEMA 4 metallic enclosure-