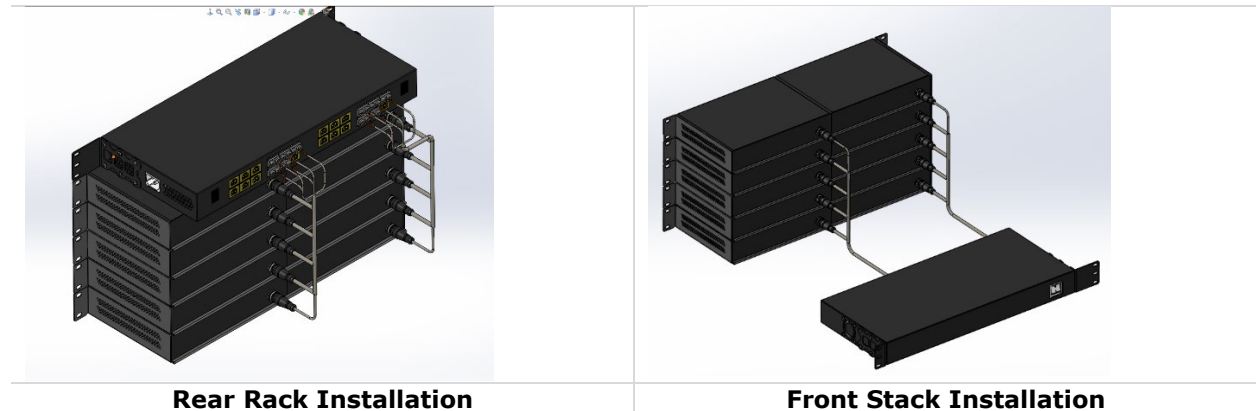# Terra Power Distribution Installation Guide

The 166-118101-01 cable package supplies 10 cables for connecting Terra TXO 102 and RXO 101 to a 12V DC power distribution unit. This product simplifies and manages rack mount wiring and includes 10 cables per package

Qualified Power Distribution Units

Maximum TXO or RXO 12V Devices	Power Distribution Model
20	Middle Atlantic PD-DC-300-12V

| Rear Rack Installation | Front Stack Installation |

Installation Instructions

1. Install the Terra TXO 102 and RXO 101 units in the rack using the optional Terra TX and RX rack mount shelf (166-111104-01).
2. Install the power distribution unit in the rack.

> ⓘ **The ear mounting screws for Middle Atlantic power distribution are thread forming type.**

3. Set aside individual power supplies from the Terra TXO 102 or RXO 101 units.
4. Connect the supplied power cables in the kit to the Terra TXO 102 and RXO 101 power ports.
5. Cut cable to length and strip conductors to ½". Refer to *Termination Drawing*.
6. Balance the connections and resulting power load across the modules in the distribution unit.
7. Apply power to the power distribution unit
8. Turn the distribition unit's power switch on. This will power all connected Terra TXO 102 and RXO 101 units.

Termination Drawing

Terminal Screws

1/4" (6mm)

+

−

B

FIGURE A

Note: White dashed line is positive +.

1. Use wire strippers to remove ¼" (6mm) insulation from ends (FIGURE A)
2. Determine the correct polarity of positive (+) and negative (-) wire ends.
3. Insert bare wire ends into DC connector (B).
4. Tighten terminal screws to wire connections.
5. Insert DC connector (B) into desired power output.

> ⚠️ **Warning!** Only connect DC connectors into matching voltage bank power outputs.