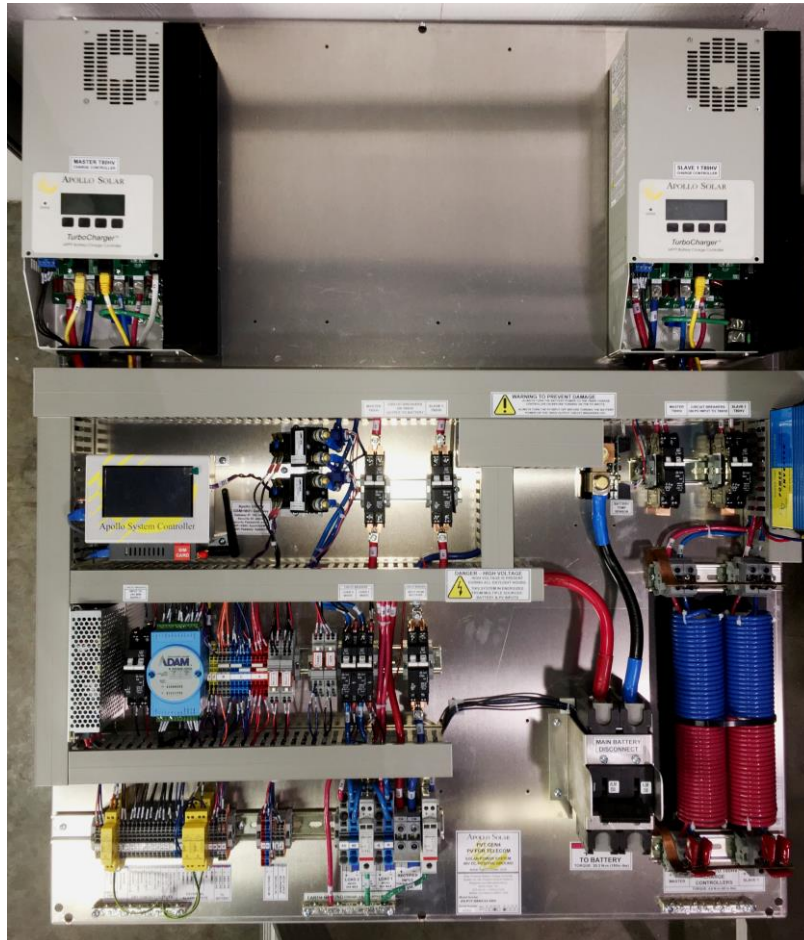




Continuous Energy

PV FOR TELECOM

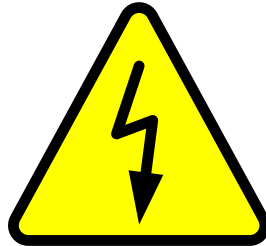


QUICK WIRING GUIDE

Rev 5.5

Gen4 PVT Panels and Cabinets

IMPORTANT SAFETY INSTRUCTIONS



DANGER -- HIGH VOLTAGE

WARNINGS:

- During the installation of this product, you will be exposed to wires from the Solar PhotoVoltaic (PV) panel array which are energized with high voltage.
- **The high voltage is present during all daylight hours.**
- If a Combiner Box is wired in the system, turn all the Circuit Breakers in all the Combiner Boxes OFF before opening the Apollo PVT Cabinet doors. If a Combiner Box is NOT wired in series with the PV Array, carefully disconnect the PV Array at the most convenient location and do not re-connect it until the work in the Apollo PVT Cabinet is complete and the doors are closed.
- **This system is energized from multiple sources.** In addition to the PV Array, the Battery also provides dangerous power to the Apollo PVT Cabinet. Disconnect the Battery after the PV Array is de-energized.

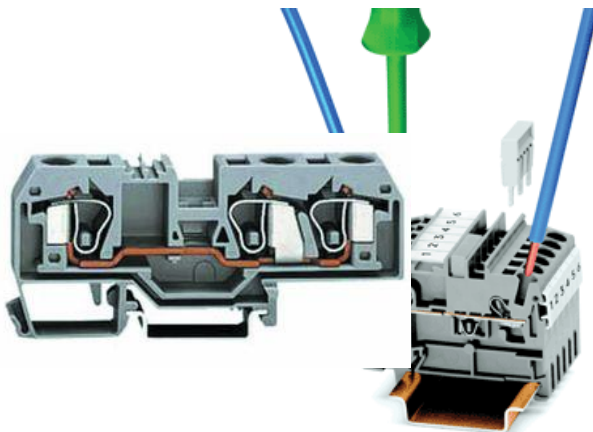
To Prevent Damage:

- **ALWAYS TURN THE BATTERY POWER TO THE T80HV CHARGE CONTROLLERS ON BEFORE TURNING ON THE PV INPUTS.**
- **ALWAYS TURN THE PV INPUT OFF BEFORE TURNING THE BATTERY POWER OR THE T80HV OUTPUT CIRCUIT BREAKERS OFF.**

STEP BY STEP WIRING INSTRUCTIONS:



Left and Right side Gland Plates with labels at bottom of Cabinet

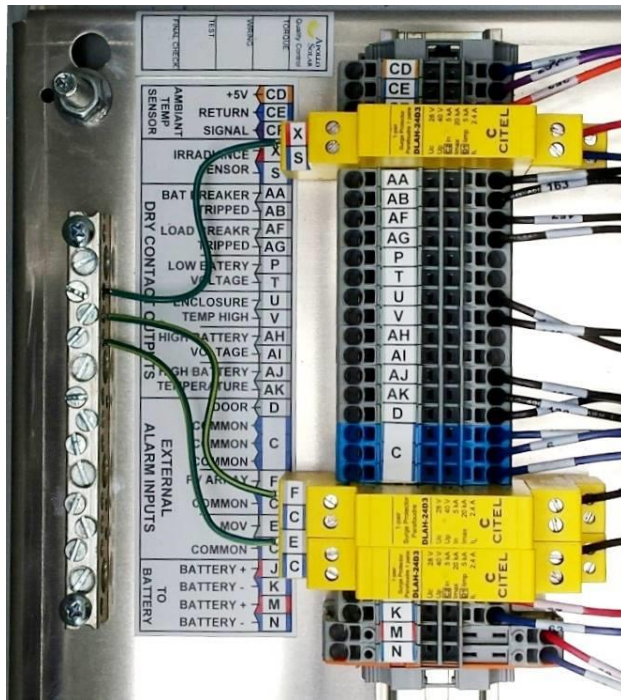


WAGO Cage Clamp Connectors - Insert small screwdriver for easy wire entry

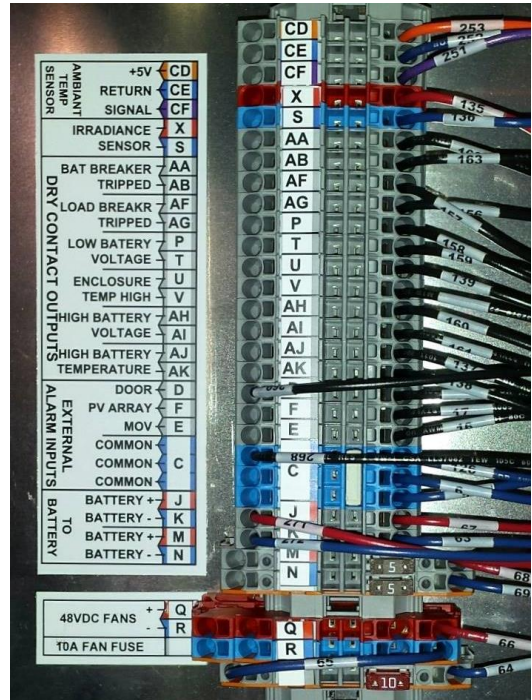


GLANDS

- 1. Feed wires from outside up from the bottom.**
- 2. Tighten gland by hand.**
- 3. Connect wire to proper point inside the cabinet.**

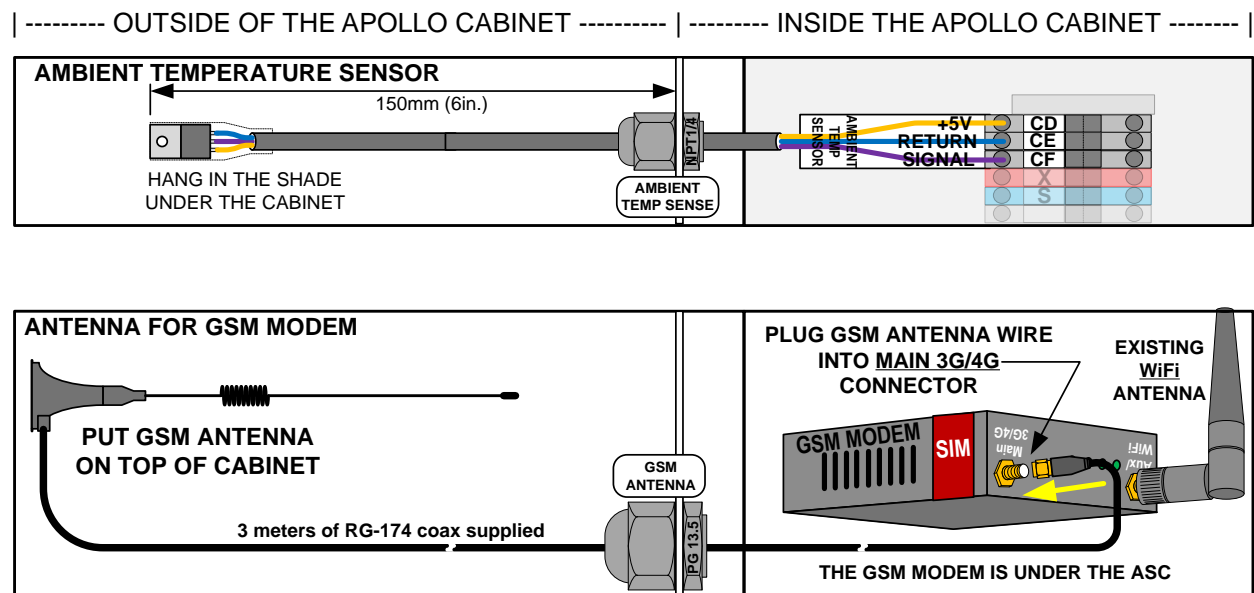


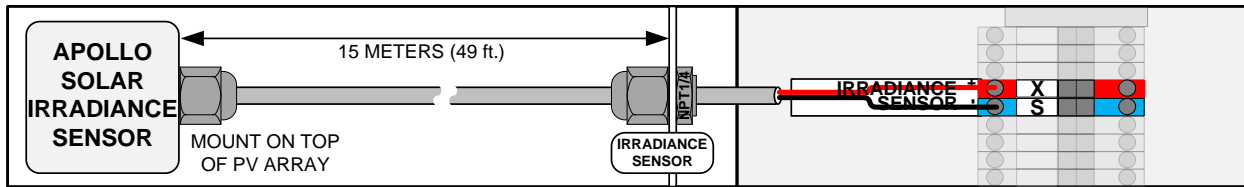
Left side – With Enhanced Surge Protection Option



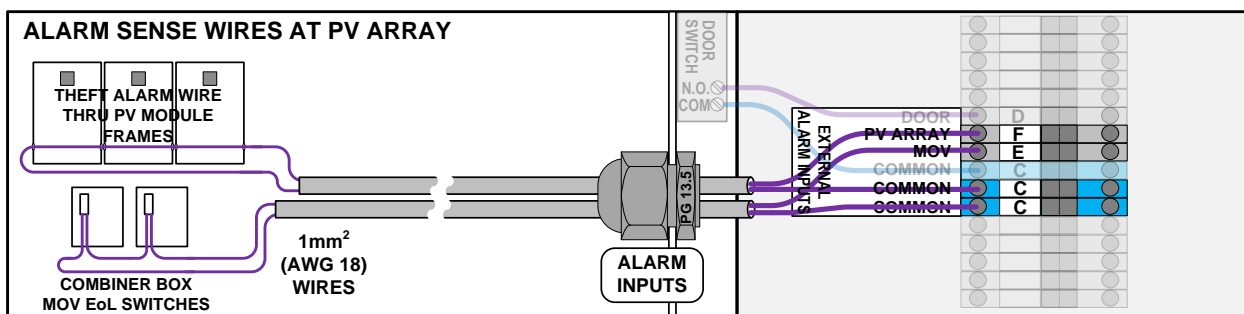
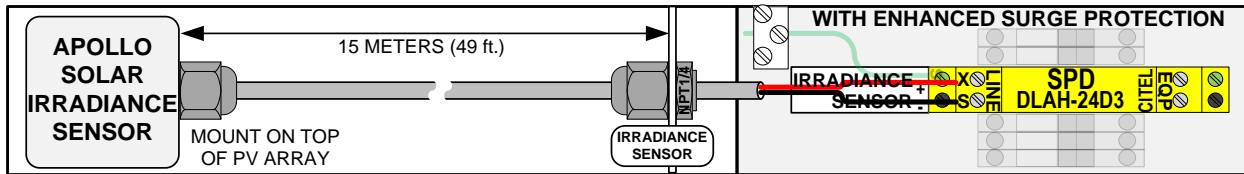
Left side – Without the SPD Option Standard

REQUIRED CONNECTIONS:

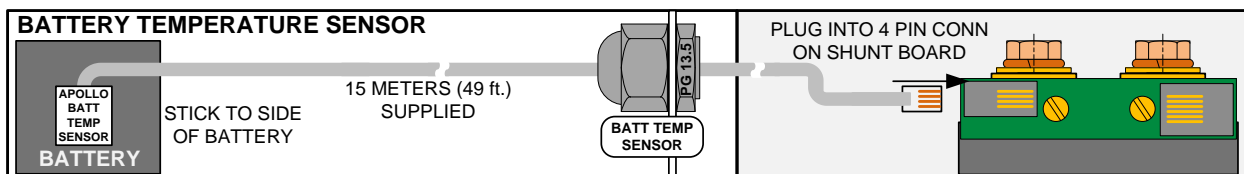
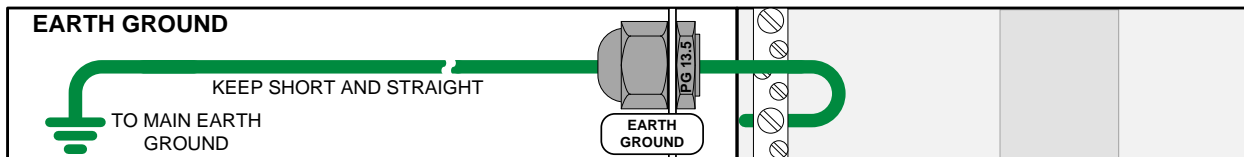
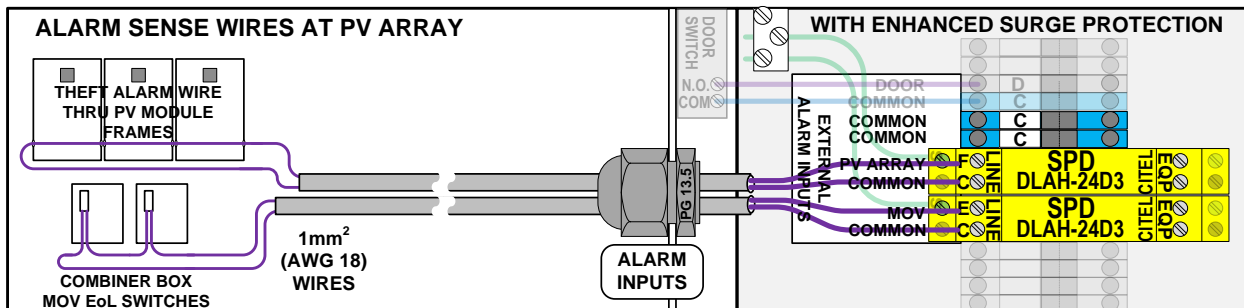




OR -

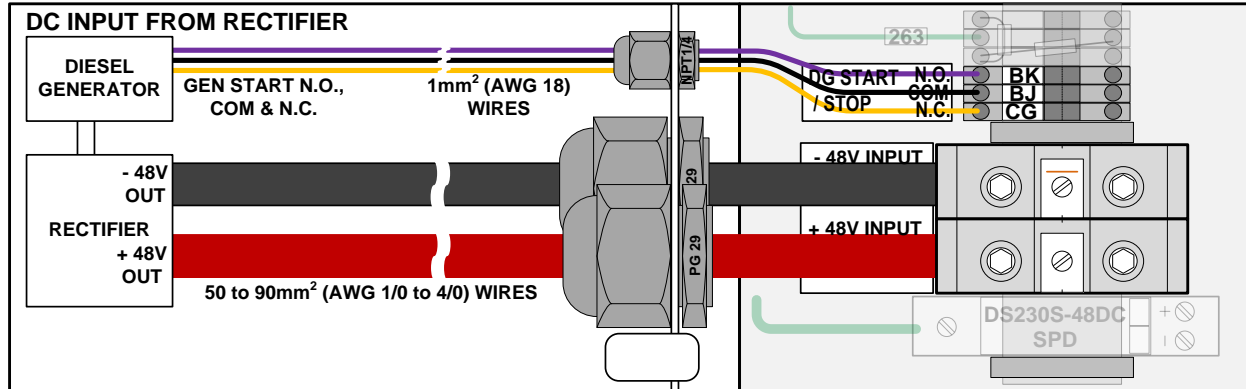


- OR -

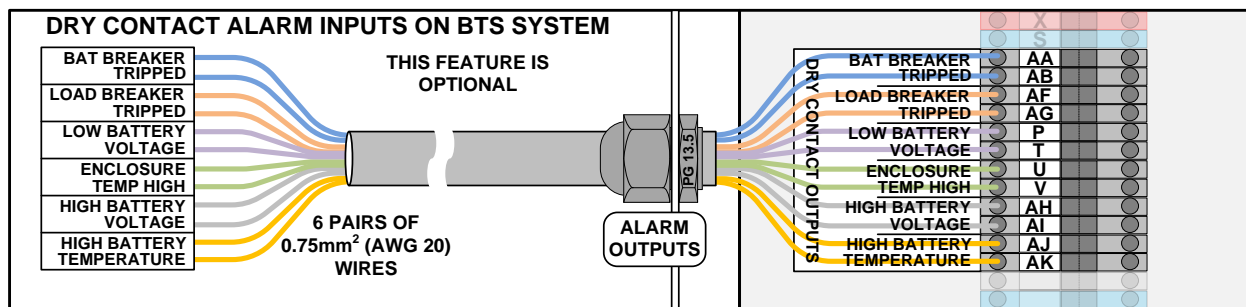


WIRING FOR OPTIONAL FEATURES:

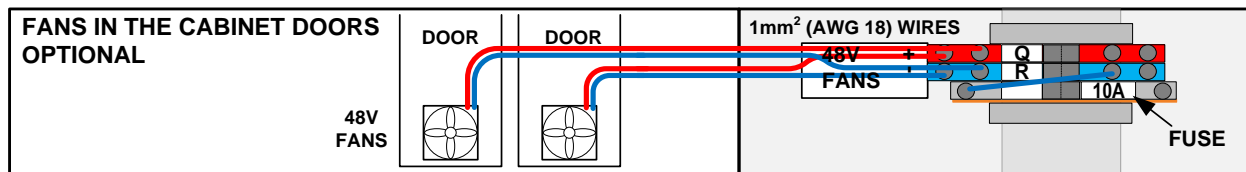
EXTERNAL GENERATOR AND RECTIFIER WITH AWG 4/0 DC INPUT CABLES:



ALARM OUTPUTS TO DRY CONTACT INPUTS ON THE BTS SYSTEM:

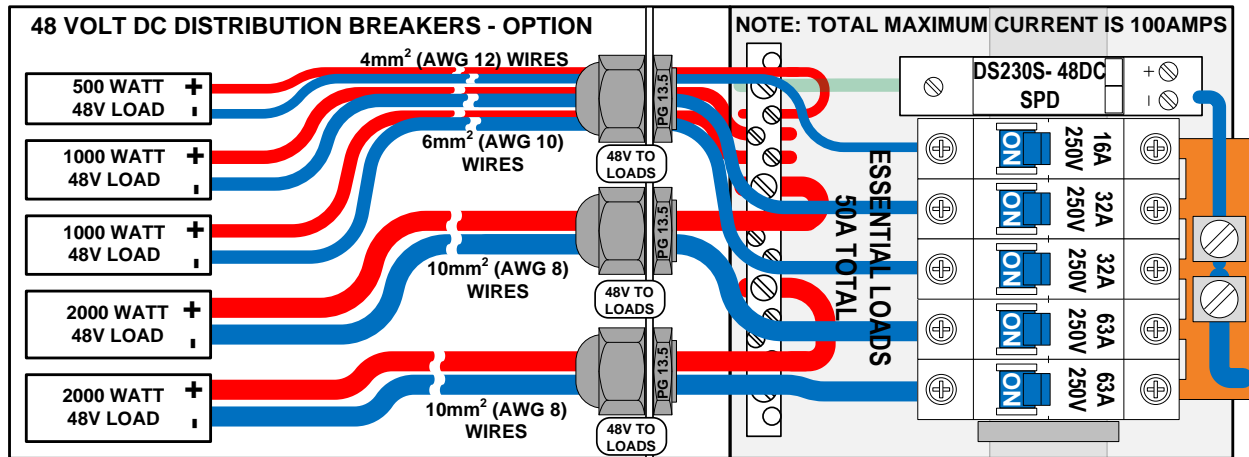


FANS ON THE CABINET DOORS:

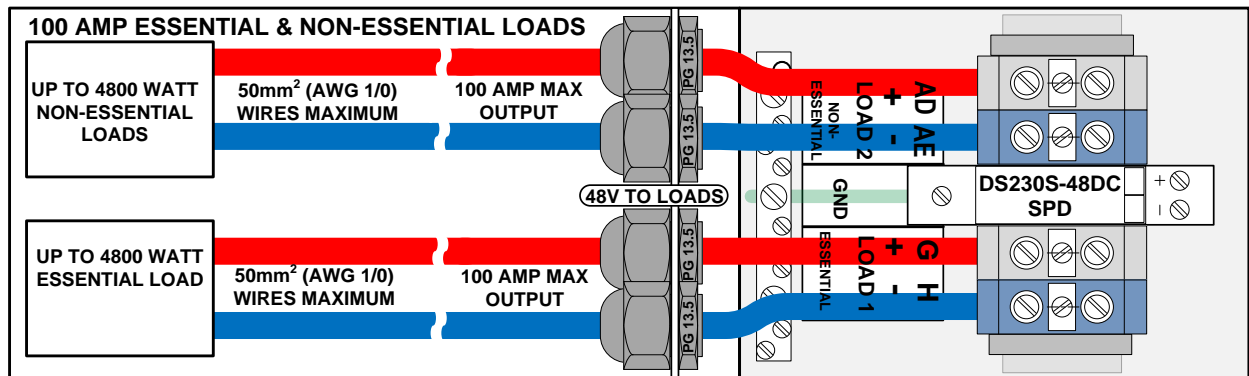


WIRING FOR OPTIONAL FEATURES - CONTINUED

DC OUTPUT DISTRIBUTION BREAKERS:



100 AMP OUTPUTS TO ESSENTIAL AND NON-ESSENTIAL LOADS:



WIRING FROM MASTER CABINET TO SLAVE CABINET WITH BATTERY BREAKERS:

