



13 April 2021

RE: CPS 3Phs TL Inverter Installation Guidelines, Conduit Entry Hole Enlargement

This letter describes the intent of the installation guidelines in the product user manuals for the CPS 3Phs TL Inverters. The installation guidelines as stated in the product user manuals provide step-by-step instructions for typical PV system installations. There may be specific PV system installations where deviation from the stated instruction would either require or allow for variation of the step-by-step instructions from the *typical* PV system installation.

The use of specified conduit sizes for cable entry into the wiring box is not a mandatory requirement and may be altered/enlarged for specific PV system installations. Thus, CPS allows the conduit entry holes in the wiring box to be enlarged as needed without voiding the warranty or UL Listing under the following conditions:

1. The enlarged hole must not impede the installation of other required conduits, existing conduit plugs, or the enclosure cover.
2. The enlarged hole must be flat so the conduit fitting is flush.
3. The conduit entry hole modifications to the wiring box are to be done in a clean environment – free of dirt and moisture.
4. Fittings for all conduit interfacing with the wiring boxes consistent with NEMA 4X rating.
5. Fittings should be metallic with metallic conduit to prevent a thermal event/failure from propagating from the wire box.
6. CPS recommends the use of a hydraulic or ratchet hole punch and die in lieu of using a step drill bit.
  - a. Remove all burrs and ensure the wire box is clean and free from debris.
  - b. All metal shavings are to be caught with a magnet.
7. Up to 3” conduits are allowed if they are installed to meet the conditions stated above.

Creating a new hole in the wire box will void the RMA warranty, since it will prohibit refurbishing the wire box. Please contact us if any further questions.

Best Regards,

A handwritten signature in black ink that reads "Stephen Ballinger".

Stephen Ballinger  
APPLICATION ENGINEER  
404-406-6268

