UL 3741 APPLICATIONS FOR CPS AMERICA 3-PHASE STRING INVERTERS

UL 3741 DESIGN OPTIONS

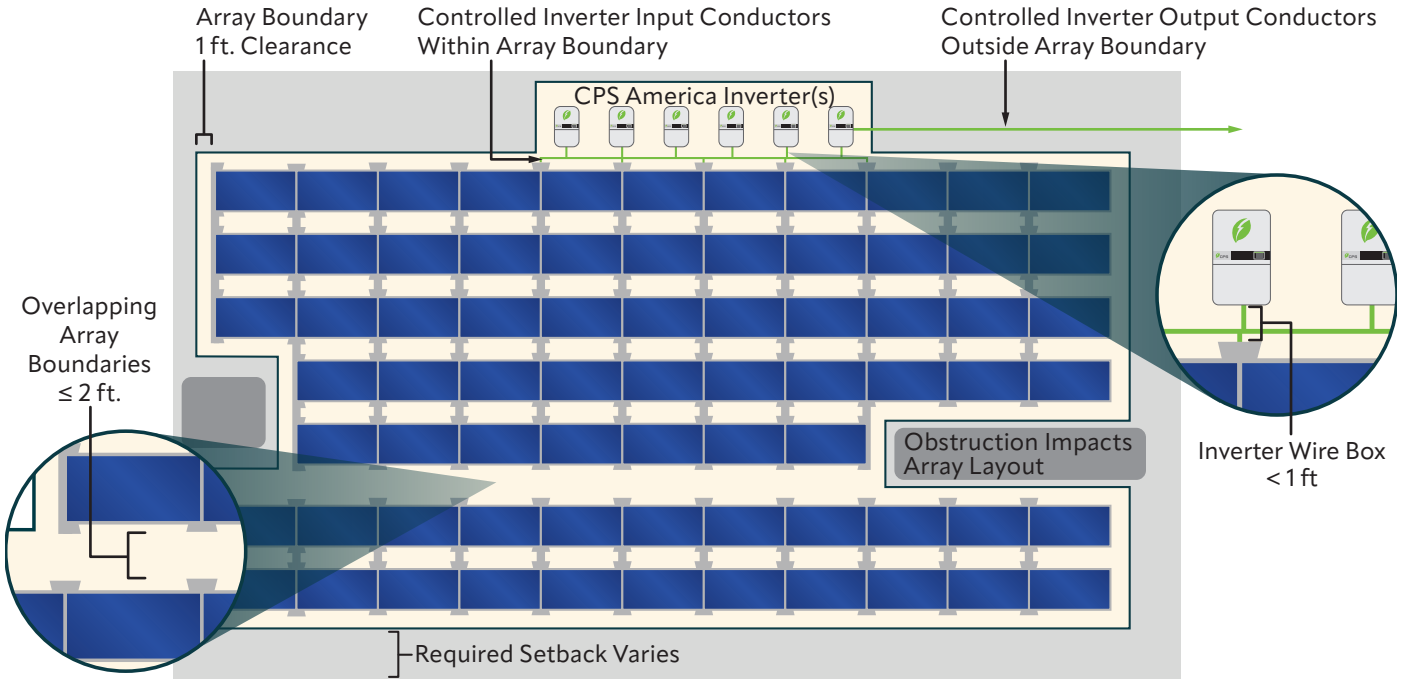
UL 3741 was released in 2020 as the new standard for "PV Hazard Control" systems to meet National Electrical Code (NEC) rapid shutdown requirements without module-level rapid shutdown via module-level power electronics (MLPE).

NEC 2017-2023 Section 690.12(B)(2) provides two rapid shutdown options for rooftop PV systems: module-level shutdown with MLPE (historically the most common compliance method) or UL 3741 PV hazard control system listing.

Systems that meet the following criteria may qualify for UL 3741 listing and would not require any MLPE:

- The inverter(s) and mounting components are UL 3741 certified as a system.
- The inverter(s) is installed such that its input connections are located within one foot of the array boundary.

Note: The entire inverter does not have to be within one foot of the array – just the controlled DC conductors that connect to the inverter input terminals. For systems that meet these criteria, rapid shutdown requirements can be met without MLPE.



UL 3741 LISTED COMPATIBLE RACKING

- IronRidge
- Panelclaw
- Sollega
- Unirac
- Aerocompact
- KB Racking
- SunModo
- Opsun

UL 3741 LISTED CPS AMERICA INVERTERS

- CPS SCA25KTL-208
- CPS SCA25KTL-480
- CPS SCA36KTL-480
- CPS SCA50-60KTL

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