

Product Safety Checklist

The following items are required for your Safety (UL, CSA, EN) testing.

- Three additional samples of any non-agency recognized power transformers. (Please note that additional samples or samples of approved transformers may be required as a result of the investigation.)
- At least ten extra samples of each type of protective fuses or other over-current protective devices (e.g. PTC or Circuit Breakers), if employed, to replace consumables during product fault testing.
- "Conditions of Acceptability" section of the UL Recognition Report to determine suitability of components in an application. This is needed for all components in the mains circuit as well as all isolating components (telecom transformers, DC-DC converters, etc.)
- Manufacturers data sheets on any safety related components/materials, particularly mains-connected materials and isolating devices, including surge protection components, power transformers, opto-isolators, switches, etc.
- Flammability ratings on all polymeric enclosure material as well as printed wiring boards. UL "yellow cards" (or equivalent) will typically suffice.
- A copy of all label/silk-screen artwork of rating and warning markings on the overall product.
- Complete package of legible, logically organized drawings, and specifications accompanied by a master list that should include the title, number, and revision information. This package should include the following:
 - assembly documents
 - parts/components layout drawings
 - printed circuit artwork drawings with a marked scale
 - voltage map, which describes the available voltages on all traces schematic drawings
 - overall wiring diagrams, (typically circuits operating above 30V RMS or 60VDC)
 - 1:1 trace layouts for all boards employing mains & telecommunications circuits (TNV). Where a mixture of circuits is present on the same card, traces shall be color coded to indicate what traces relate to the individual circuit types. In some rare cases we may also need trace layouts of circuits operating in secondary circuits, particularly where the secondary circuit is operating over 30V RMS or 60 VDC (SELV).
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- Completed safety contract (will be provided separately)