Architectural Specification

Uninterruptible Power Manager (UPM)
Model # - UPM-1100INT

The UPM shall be a self contained, standalone unit in a metallic enclosure with a load rating of 4.8 amps @ 230 volts, 50 Hz.. The UPM shall provide 1100 VA and 715 watts of output power. The front panel of the UPM shall provide controls for "power on" and "test" as well as LED indicators for battery charge level, load level, buck/boost function, on battery, replace battery, overload, and output receptacle status. The UPM shall contain a low impedance isolation transformer, a noise filter and a high energy surge diverter and shall provide bi-directional protection against noise and transients. The transformer secondary shall have its output neutral bonded to the safety grounding conductor. The UPM shall have a low distortion (<3% THD) sinusoidal wave shape when running on inverter. On line efficiency shall be no less than 94%. The UPM shall operate at 230 volts AC, 50 Hz. and shall have a six foot, grounded, three wire power cord equipped with an IEC320 plug. The UPM must withstand ANSI/IEEE C62.41 Category A and B. With the UPM under power, and a Category A pulse applied to the input either normal mode or common mode, the noise output voltage of the UPM shall not exceed 10 volts normal mode or .5 volts (1/2 of one volt) common mode in all four quadrants (CM-NM, NM-NM, CM-CM, NM-CM) The UPM shall provide at least 6 minutes of backup time at full load. The internal batteries shall be sealed, valve regulated, lead acid batteries, which may be hot-swapped by the user without the need for turning off the UPM. The rear panel of the UPM shall provide a DB9 connector for the purpose of communicating the UPM to its host system, and an optional software package shall be available to permit management and control of the UPM. The UPM shall be safety agency listed and carry the CE mark. The UPM shall be warranted against defects in materials and workmanship for no less than five years for the electronics and two years for the battery.