## SAFETY and ENVIRONMENTAL PRECAUTIONS

The product warranty becomes invalid if the following safety precautions are not followed during handling, installation, commissioning and general use/operation of *Eltek* power supply systems.

## General Precautions



CAUTION: Even though the product incorporates protection circuitry and other safeguards, it can be damaged, perform poorly or have a reduced lifetime if it is exposed to incorrect treatment during transport, installation or service. Always handle the equipment using proper lifting techniques, do not roll, climb or drill hole in the cabinets or enclosures.



G2 WARNING: Opening the equipment may cause personal injury — even if the mains AC supply is disconnected. Hazardous voltages may be present inside, as large capacitors may still be charged.

## Environmental Precautions



E1 CAUTION: To avoid damage the equipment, keep objects clear of system ventilation inlets, outlets and system fans, if any, ensuring the airflow through the units is not obstructed, and that the fans rotate freely. Use caution with power modules, as they can reach extreme temperatures under load and normal operation.



E2 WARNING: The installer/user is responsible for ensuring that the power system is not damaged by current surges, over-voltages, etc. caused by external transients, lightning, electrostatic discharge, etc. To avoid damage and obtain the expected system reliability, it is mandatory to always install SPDs in Eltek's power supply systems. Follow the instructions given in "Requirements for Surge Protection", doc. 2024623.



E3 WARNING: The electronics in the power supply system are designed for indoor, clean environment. When installed in outdoor enclosures — using heat sinks or closed loop heat management systems — it is important to maintain the equipment closed and tight during operation, to avoid external air entering the enclosure. Also, when using open loop heat management systems, it is important to replace the filters on a regular basis. Indoor installations in dusty or humid areas require appropriate air filtering of the room, or filtering of the air entering the power system. Follow the instructions given in "Generic Guidelines Environmental Protection.", doc. 2038879

## Precautions during Installation



11 CAUTION: Read the user documentation carefully before installing and using the equipment, as installation and operation is to be performed as described in it. Always tighten screws and bolts with the torque values recommended by the supplier of the terminals, breakers, etc. Also, refer to Eltek's Typical Torque Recommendations in the documentation. For safety reasons, the commissioning and configuration of the equipment is only to be performed by Eltek's personnel or by authorized and qualified persons.



CAUTION: This product is tested and verified according to international safety, environmental and EMC standards. Any non-Eltek equipment installed into this product after delivery might influence the performance and could infringe the original approvals. The installer is responsible for ensuring that the environmental properties of this product/ system do not deteriorate during installation, and that it is performed in accordance with applying regulations.

Installations in USA and Canada must comply with NEC/CEC requirements.



CAUTION: Before you start the electrical installation, you must always disconnect all external supply circuit breakers, as well as internal battery and load fuses/ breakers, if any.



WARNING: For safety reasons (high leakage current / high touch current) you must always connect the AC earth wire (PE) to the terminals, before you connect the AC input cable(s).

The batteries, if any, represent a major energy hazard. To avoid short-circuit of battery poles, you must always remove metallic objects - uninsulated tools, rings, watches, etc. - from the vicinity of the batteries.

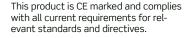


WARNING: 60V power systems, and higher voltage systems, are only to be installed in Restricted Access Locations (RAL).



Access must be limited by use of tool, i.e. lock and key.







Download the user documentation and required configuration programs from our Internet site:

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