

External Battery Keeper Quick Start Guide

The External Battery Keeper is capable of two accepting two input voltages: 115 VAC and 230 VAC at 50-60 Hz.



Operating the External Battery Keeper

1 Ensure the Q-LS Battery Cabinet is not connected to a power source.

2 Ensure the Q-LS Battery breaker is OFF.



3 ENSURE THE BATTERY KEEPER IS NOT CONNECTED TO A POWER SOURCE! (See step 9.)

4a Q-LSA/B-ST – Remove the Q-LS Battery Cabinet right-side panel and corresponding GND connection. Use the Battery Cabinet bottom entrance (rubber gland opening) to guide the 6-foot Battery Keeper cable inside the cabinet

4b Q-LSC/D-ST – Remove the lower front-right panel to access the terminal blocks.

4c Q-LSE-ST – Remove the upper front-right panel to access the terminal blocks.

5 Using a handheld voltmeter (not the voltmeter display on the Battery Keeper), ensure there is no voltage present at the input side of the Q-LS Battery Cabinet terminal block.

Note: In redundant systems when more than one Q-LS Battery Cabinet is connected to the Q-LS Power Management Cabinet, remove the output wires from each Battery Cabinet terminal block and only have the Battery Keeper connected. Once charging is complete, disconnect the Battery Keeper and reconnect the Q-LS Battery to the Q-LS Cabinet.

- 6 Attach and secure the Red (+) and Black (-) Battery Keeper cable leads to the



Input Voltage Selector Switch

corresponding nodes on the Q-LS Battery Cabinet terminal block.

- 7 Reattach the Q-LS Battery Cabinet GND connection and secure the side panel.
- 8 Turn ON the Q-LS Battery Cabinet breaker.
- 9 **SELECT THE APPROPRIATE VOLTAGE ON THE BATTERY KEEPER INPUT VOLTAGE SELECTOR SWITCH.**
- 10 Connect the Battery Keeper AC input cable to a power source matching the voltage selection from step 9 (for 230 V, use the provided Orei M8+ Power Adapter; for 115 V, use the NEMA 5-15P plug).



Orei M8+ Power Adapter



NEMA 5-15P

- 11 Turn ON the Battery Keeper power switch.
- 12 The voltage present in the Q-LS Battery Cabinet will be displayed on the Voltmeter on the front of the Battery Keeper.



Caution: Prior to connecting any cables, verify that all Q-LS Cabinets, Battery Cabinets, and Battery Keepers are deenergized (OFF).