

Frequently Asked Questions

PLD10 Plus Series EMERGENCY LED BATTERY PACK

1. What are the main differences between legacy PLD10 models and PLD10+ models?

- PLD10+ models feature a maintenance-free & more environmentally friendly LiFePO4 battery replacing the Ni-Cd battery
- External battery connectors (red wires) are no longer needed. EZ-Plug™ automatically engages the internal battery in the presence of AC.
- Overall volume was reduced, 19% on plastic version and 26% on metal version.
- Optional Spectron® self-test/self-diagnostics now available on PLD10+ models

2. Can PLD10+ retrofit legacy PLD10?

Yes, if needed, PLD10+ can plug right in to a legacy PLD10 harness (non-metal). Please note that the external battery connectors (red wires) in the harness will now be electrically disconnected and will remain unused.

3. Can the PLD10+ be installed in the field?

Yes, all PLD10+ models are UL Listed for both field and factory installation.

4. What are the electrical requirements of the LED load?

Class 2 output, Vf20-56VDC; LED driver (Max. 1.2A)

5. What is the Spectron® Self-Test/Self Diagnostics feature?

For added reliability and ease of maintenance, the PLD10+ now includes Spectron® self-testing /self-diagnostic circuitry as an optional feature. Every performance factor is constantly monitored – battery condition, LED driver, battery charger and transfer operation. If a malfunction occurs, an easily visible status indicator alerts you to the fault code. Also, Spectron® will automatically conduct a monthly 1-minute test and a 90-minute test every 6 months.

6. In Spectron® models, how do I switch between test mode and AC input mode?

Spectron® will perform monthly and annual tests automatically, but if a manual test needs to be initiated, the user can press the test button once to run a 1-minute self-test; green LED blinks at 2Hz.

If the test button is pressed again during the 1-minute test, the PLD10+ will run a 90-minute test; green LED blinks at 1Hz.

Pressing the test button again during the 90.-minute self-test will cancel the self-test, and the PLD10+ will return to normal charge/maintenance mode, green LED always on

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7. How do I disconnect the battery before taking the unit out of service?

For non-Spectron models:

- a) Turn on AC power supply.
- b) Firmly press and release test switch 10 times in a period less than 15 seconds. On each press, the red indicator light will switch off.
- c) Once completed, red indicator light will blink once every second showing “battery disconnected” per the service alert codes shown in the instruction sheet. Battery is electrically disconnected from the circuit at this point.
- d) Turn off AC power supply.

For Spectron® models:

- a) Turn on AC power supply.
- b) Firmly press and hold test switch for 10 seconds, then release.
- c) Once completed, red indicator light will blink once every second showing “battery disconnected” per the service alert codes shown in the instruction sheet. Battery is electrically disconnected from the circuit at this point.
- d) Turn off AC power supply.

8. Will there be any replacement batteries or parts available for the PLD10+ models?

As is typical with emergency battery packs, there will be no replacement parts available for this product. When the battery expires, the entire unit should be replaced.

9. How long is the PLD10+ Warranty?

PLD10+ models are warranted for a full 5 years against manufacturer defect.