

LiteGear[®]

FREQUENTLY ASKED QUESTIONS FOR THE LG125

Why did Dual-Lite introduce the LG125S, LG125R and LG125T models of the LiteGear inverter?

The LiteGear LG125S, LG125R and LG125T models are an upgrade from the existing LG1 models in that they feature a true sine wave output instead of a square wave output, in addition to an increase in VA/W output capacity from 100VA/W to 125VA/110W. A sine wave output inverter is inherently less susceptible to being overloaded by detrimental inrush currents associated with LED drivers. Being more tolerant to inrush current, the LG125 models can typically be loaded with as much as 67% more LED capacity than the LG1 models.

How much load can be backed up by the LG125 inverters?

The LiteGear LG125 can back up various types of electrical loads, both lighting and non-lighting. The amount of total load that the LG125 can support is dependent upon the load type, quantity, wattage and/or voltage and peak current. The maximum rated load is 125VA; however, to account for load-dependent power factors and NEC-based safety factors, please refer to Dual-Lite's Inverter Sizing / Selection Tool found in the ARC (<http://www.dual-lite.com/resources/arc/inverter-selection/>) for the most accurate sizing information based on your specific application.

Will the LG125 models work with HID lamps?

No, the LG125 is still rated as an IPS — an interruptible power supply, like the LG1 models. This means that it does not maintain any kind of line synchronization to sustain HID type loads when transferring between normal power and emergency power. This power interruption will cause HID type luminaires to “wink-out.” Afterward, they could take 10-15 minutes to undergo a restrike process to achieve full brightness. For backing up HID lamps, Dual-Lite recommends the use of its Synchron UPS (uninterruptible power supply) inverters.

Are the sine wave LG125 models physically larger than the corresponding square wave LG1 inverters?

No, the sine wave LG125 models are actually smaller than their LG1 counterparts. The LG125S, LG125R and LG125T occupy roughly 25%, 40% and 9% less wall and ceiling space respectively than the square wave LG1 equivalents.

Will the LG125 models work with DC lamps?

No, as AC output inverters, they are only suited to power AC type lamps, ballasts and drivers.

Will the LG125 offer dual-voltage (120VAC and 277VAC) inputs?

Yes, the 125VA rated LG125 models will feature a dual 120VAC / 277VAC input, just like the LG1 models did. Selection of either 120V input voltage or 277V input voltage is made via field wiring.

What is the maximum wiring distance allowed between the lighting load and the LG125?

As with the LG1 models, 10 - 12 AWG cable will allow wiring distances up to 1000 feet between this inverter and the lighting load.

Is the recessed ceiling T-Grid mount model, the LG125T, plenum rated?

Yes, the LG125T is compliant with UL 2043 for mounting in plenum spaces. This makes a separate plenum rated enclosure unnecessary, thereby simplifying ceiling mounted installations.

Are colors other than white available?

White is the only color available at the present time. All LiteGear inverters continue to be field paintable.

Will self-testing/self diagnostics still be available in the LiteGear family of inverters?

Yes, Dual-Lite will continue to offer the Spectron[®] self testing/self diagnostics feature with the square wave 250VA/W version (model LG2SI). A sine wave version with self-testing/self-diagnostics is in development, and we will inform everyone when it is available to order.

Will there be any replacement parts available for the LG125?

Yes, replacement batteries will be stocked and available for all models of the LG125. Each model unit will require (2) of battery P/N 93068301.

Do the LG125 models comply with the ARRA Hubbell Lighting Initiative?

Yes, these products meet Level 2 — US Transformed.

The Dual-Lite team appreciates your support. Feel free to contact us if you have additional questions. Good Luck and Good Selling!