



Emergency Lighting Power Pack for Mains Voltage LED Lamps

LTEM26

The product package contains the following:

- Emergency Light Unit
- 2600mAh 11.1V Li-Ion Battery
- Pre-wired Status LED
- Instruction Manual

Please read this Manual prior to the installation and commissioning of the LTEM26.

The LTEM26 emergency pack is suitable for 5-20W LED lamps with internal Integrated Circuit (IC) driver (This device CANNOT be used for LED lights with Resistive Circuit (RC) driver).

The LTEM26 emergency pack includes housing, PCB and battery. The battery is a Li-ion battery with a long lifespan; the PCB uses IC control design in charging/discharging and power supply. The PCB circuit has built in protection for over-charging/discharging, output short-circuit, open circuit or input/output reverse connection.

Operating principle:

The LTEM26 emergency pack charges when AC power is present. When fully charged, the circuit will protect the battery from over-charging and the emergency pack will enter stand-by mode. As soon as the AC power fails the battery will supply power to the LED lights.

Technical Specifications:

Working Voltage	AC85-265V	Battery Type	18650 Li-Ion 11.1V 2600mAh	Dimensions	L105*W45*H23mm
Emergency Output Voltage/Current	DC 230V 0.12A~0.01A	Battery Cycle Use Times	≥500 times	Battery Dimensions	L220*W20*H20mm
Emergency Switching Time	≤5sec.	Emergency Time	≥180 minutes	Working Temperature	-25°C - +50°C
Suitable for Lamps Power (W)	5-20W	IP Rating	IP30	Storage Temperature	-25°C - +50°C
Lamp Type	LED Lamps	Luminous Flux	up to 1000 lumens	Warranty	3 years
Charging Time	24h	Weight	0.39kg	Body Material	Plastic

Installation Standards:

- The installation of the LTEM26 must be done by a certified electrician according to the EN60598 part 1 and 2-22 as well as additional local standards (see basic wiring instructions on Page 2).
- The LTEM26 has no internal adjustments or serviceable parts and therefore the main cover should never be removed.
- For installation in combination with a LED Driver, the wiring instructions in this manual must be followed or the LTEM26 may not function as expected.
- The green Status LED should be positioned in such a way as to be easily visible under all circumstances to ensure quick and convenient functionality check.
- The LTEM26 should be installed indoors (stairs, corridor, ceiling, etc.) and it is not for outdoor use.

Battery Maintenance:

- Initial battery charge must be for a minimum of 24 hours before testing.
- To achieve best performance the LTEM26 must be properly maintained. The LTEM26 should be tested fully by switching into emergency mode regularly in accordance with local testing regulations to check emergency operation time (according to battery capacity). Any warranty claim must be accompanied by documentation which records the dates of this maintenance procedure and signed by maintenance personnel.

Dimensions:

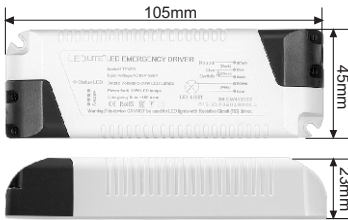


Fig. 1 Inverter Dimensions



Fig. 2 Battery Dimensions

Installation and Wiring Instructions:

1. The LTEM26 emergency pack can be mounted on surfaces using the two installation holes. First mark the hole positions and then use 4mm tapping screws to mount it on the surface. The product is safe to fit on materials combustible above 200°C.
2. Connect according to the wiring diagrams below observing the correct polarity where applicable.

WIRING DIAGRAMS

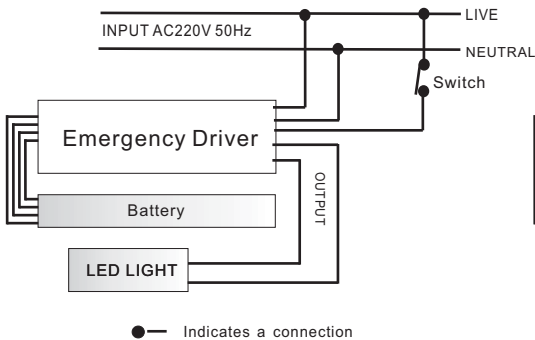


Fig. 3 - Wiring for LED Lights with Internal Driver

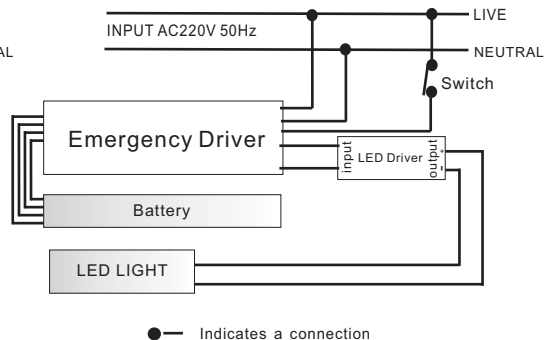


Fig. 4 - Wiring for LED Lights with External Driver

3. When first connecting to AC power check if the LED lights work normally:
 - a. The Green indicator light is ON.
 - b. Turn the switch to the LED lights ON and OFF to check the correct function of the lights.
4. Cut off the emergency pack AC power - the LED lamp will be in emergency mode and the Green indicating light will be OFF.

After testing all the above steps the installation is finished.

Keep a record of maintenance and maintain the emergency pack and LED lamp regularly. Check regularly to ensure its lifespan and usage.

Troubleshooting:

Most failures experienced are not due to the LTEM26 itself and are caused by improper installation or connection of the unit. Please check that:

- Wires are properly clamped into terminals.
- Installation is done according to the wiring diagram.
- Proper polarities are observed.
- Proper LED load maximums are observed.

In case of electromagnetic interference:

- Do not cross-wire the power input line and the light connection output line.
- When parallel wiring, a distance between 5 and 10 cm should be reserved.
- Shorten the distance between the power supply input line and the device.
- When running in parallel, the connection between the power input line and the lamp should be as short as possible.