

LEDLITE™ LTEM26



Emergency Lighting Power Pack for Mains Voltage LED Lamps

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.

It can be used in public places to ensure LED lights work normally when mains power fails suddenly because of fire, earthquake, etc.

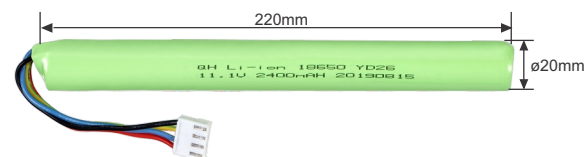
Features:

- 30W LED emergency driver.
- IP30 protection level.
- Applicable to LED lamps.
- Voltage protection: wide voltage input AC85V-265V
- Safe Voltage Output
- Overload protection: timely protection when power exceeds 50% of rated power.
- Short circuit protection and no loading protection
- High efficiency and low temperature extend lifespan (> 50000 Hours).
- External green LED indicator
- Compact size, convenient in installation and maintenance.

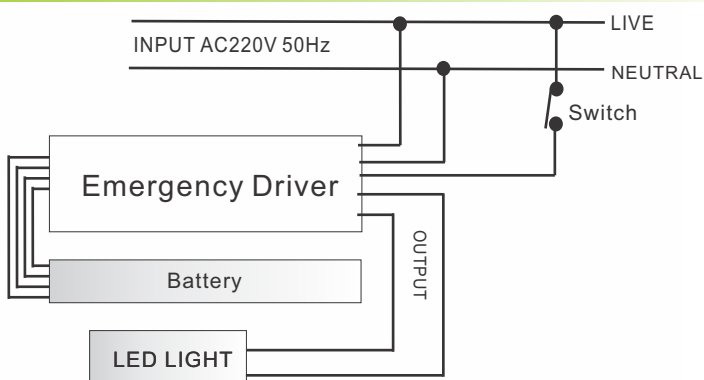
Battery features:

- High capacity Lithium-Ion battery with overcharge and over discharge protection.
- High temperature resistant battery
- 11.1V Lithium-ion 3 cell battery pack 2600mAh
- Simple plug-in connection

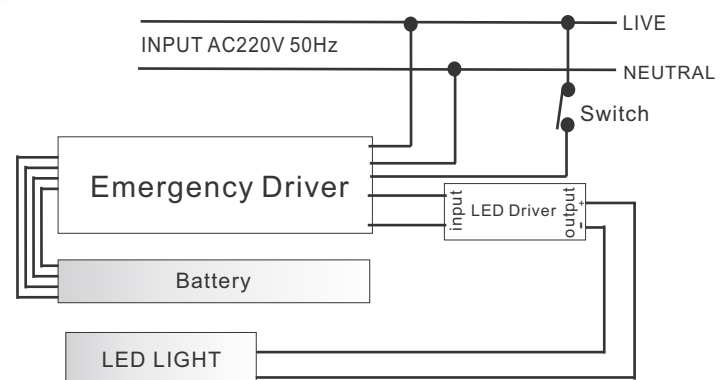
Dimensions:



Wiring Diagram:



Wiring for LED Lights with Internal Driver



Wiring for LED Lights with External Driver



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Technical Specifications:

Product Item	LTEM26
Rated Voltage	AC85-265V
Rated Frequency	50/60 Hz
Power Factor	≥0.95 (≥75%load)
Input Power	10W (Not including charging power)
Conversion Efficiency	≥90%
Charging Power	Max 20W
Charging Current	Max 500mA
Battery Voltage	3.7V *3 (lithium battery)
Battery Type	2600mAh Li-ion
Conversion Time	≤0.05S
Charging Time	≤24h
Emergency Time	≥180min
Output Voltage	DC230V±5%
Output Current	0.10.45A
Output Power	5-20W (MAX:30W)
Emergency Output	Main Output 100%
Overcharge Protection	≥12.3±0.1V
Over Discharge Protection	8.25±0.1V
Short Circuit Protection	Current Limited Output, Automatic Recovery after Short Circuit Removal
Open Circuit Protection	Constant voltage output, shuts down after 3 seconds in emergency condition
Overheat Protection	≥100 ± 10°C, Automatic recovery after cooling
Ambient Temperature	-25 - 50°C
Shell Temperature	≤80°C
Storage Temperature	-25 - 50°C
Protection Level	IP30
Pressure Resistance	I/P-O/P:3750VAC, I/P - FG:2000VAC, O/P - FG:500VAC
Leakage Current	≤0.5mA
Insulation Resistance	≥100MΩ (DC 500V) I/P-O/P, I/P - FG, O/P - FG
Dimensions	105*45*23 mm (Length * width * height)
Battery Dimensions	220*20*20 mm (Length * width * height)
G.W.	0.39kg

