

## DESCRIPTION

The LED emergency driver is with built-in lithium battery pack, which is suitable for 5-25W LED lamp with internal or external LED driver. The output voltage is 220V and it can maintain 100% power output when the AC main power cut off. The backup time of battery pack is Max. 180mins depending on the power of LED lamp.

## PRODUCT FEATURES

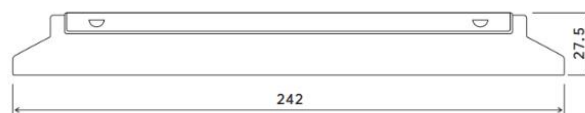
- 5-20W, Max. 25W full power output
- For LED tube, panel, downlight...
- Voltage protection input AC85-265V
- Short-circuit & no-loading protection
- Iron housing
- 86% high conversion efficiency
- Built in 11.1V lithium ion battery
- Test function & Power/Charge/Emergency status indicators
- Intelligent IC for over charging & over discharging protection
- Optional external test button / status indicators



## MODEL INFORMATION

Model	Input Voltage	Output Voltage	EM Power	EM Time	Dimension (mm)	Battery	Casing
F1B	AC85-265V	220V	100% power	1-3HRS	L242*W40*H27.5	Li-ion 11.1V 2.6Ah	Iron

## DIMENSION (Unit: mm, $\pm 1$ mm)



## TECHNICAL DATAS (25°C/70% Rh, AC230V/50Hz, Rated Load)

Input Voltage	AC85-265V~50/60Hz
Output Voltage	220V
Input Power	5-20W, Max. 25W
Conversion Efficiency	>86%
Battery Type	Lithium ion 11.1V 2600mAh
Emergency Time	60-180mins
Charge Time	<24Hrs

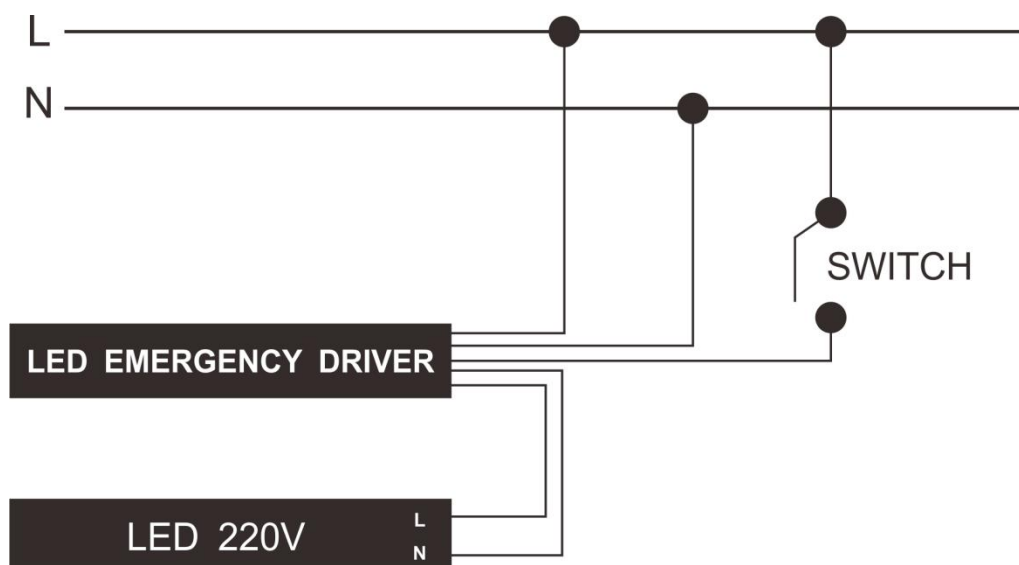
Charging Power	10W, Max. 15W
Charging Current	220mA, Max. 300mA
Output Voltage/Current	220V $\pm$ 5% (0.03A - 0.15A)
Output Power	5-20W, Max. 25W
Emergency Output	100% power
Over Charge Protection	$\geq 12.3 \pm 0.1V$ enter balanced charging mode; $14.75 \pm 0.1 V$ , cut off charging
Over Discharge Protection	$8.25 \pm 0.1V$
Short Circuit Protection	Current limited output; Automatic recovery after short circuit removed
Open Circuit Protection	Constant voltage output; shut down system after 3s in emergency mode
Overheat Protection	$\geq 60 \pm 10^{\circ}C$ , automatic recovery after cooling
Ambient Temperature	-5 $^{\circ}C$ - 45 $^{\circ}C$
IP Protection	IP30

## TEST BUTTON AND STATUS LED

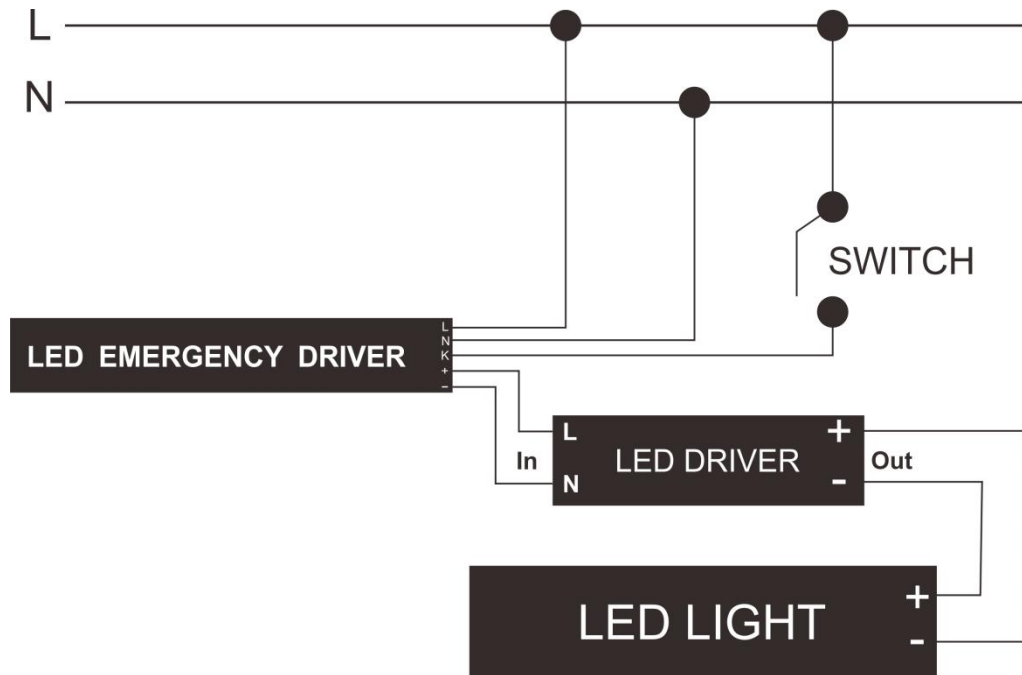
Green LED ON	AC power supply - Normal working
Red LED ON	AC power supply & Battery charging
Blue LED ON	EM lighting mode
Press Test Button	Test function - to switch into EM lighting mode

## WIRING DIAGRAM

a. For LED light with internal driver.



b. For LED light with external driver.



**Warning: the switch wire must be in the same phase with charging wire!**

**Note: the battery kit shall be charged on each three to six months if stores in warehouse.**