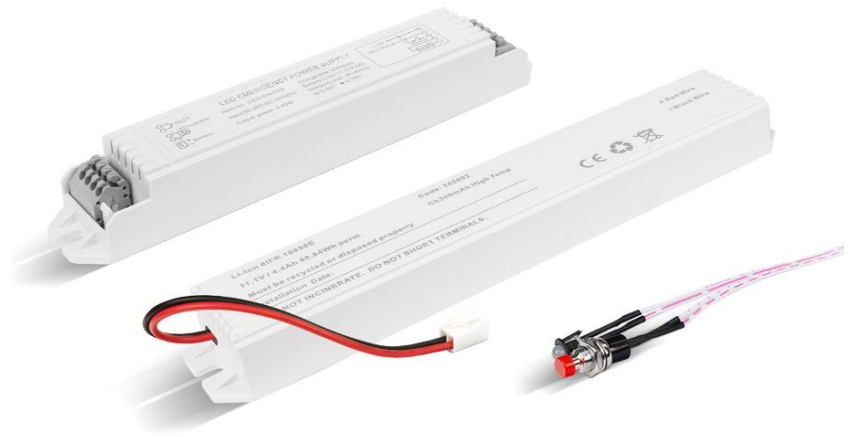


DESCRIPTION

FL40W LED emergency kit is suitable for 3-50W LED lamps and it operates from input voltage AC85-265V providing 100% output power for Max. 180mins at emergency lighting mode. The emergency kit will switch into emergency lighting mode automatically when the AC power fails. Intelligent IC for over charging and over discharging protection.

PRODUCT FEATURES

- 3-40W, Max. 50W. full power output
- For LED tube, panel, down lights...
- Voltage protection input AC85-265V
- External test button & power indicator
- Over charge & over discharge protection
- Short-circuit & no-loading protection
- Fire-resistant ABS housing
- 86% high conversion efficiency
- IP20 protection



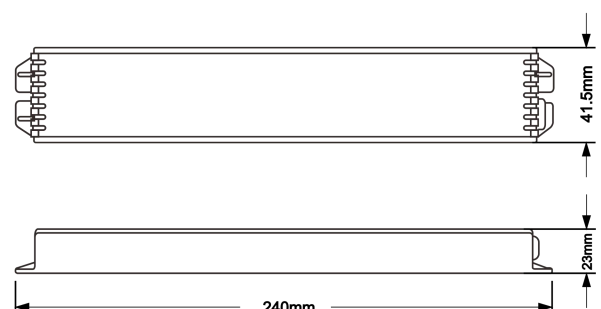
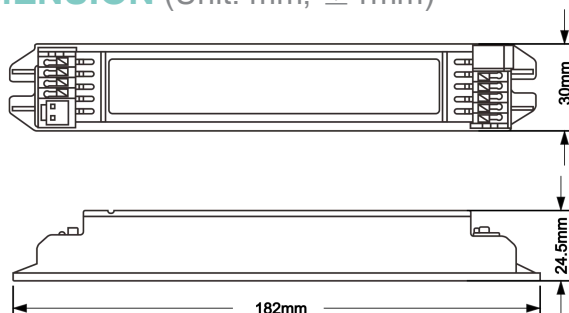
BATTERY PACK

- High capacity Lithium ion battery
- High temperature resistant batteries
- 18650 11.1V Li-ion battery pack
- Balanced charging scheme for battery pack
- Battery capacity is optional according to emergency time
- Simple plug-in connection

MODEL INFORMATION

Model	Input Voltage	Output Voltage	Power	EM Time	Dimension	Battery	Casing
FD-FL40W	AC85-265V~50/60Hz	230V	3-40W	60-180mins	Driver 182*3*245mm; Battery Box: 240*41.5*23mm	External 11.1V 4400mAh	ABS

DIMENSION (Unit: mm, ± 1 mm)



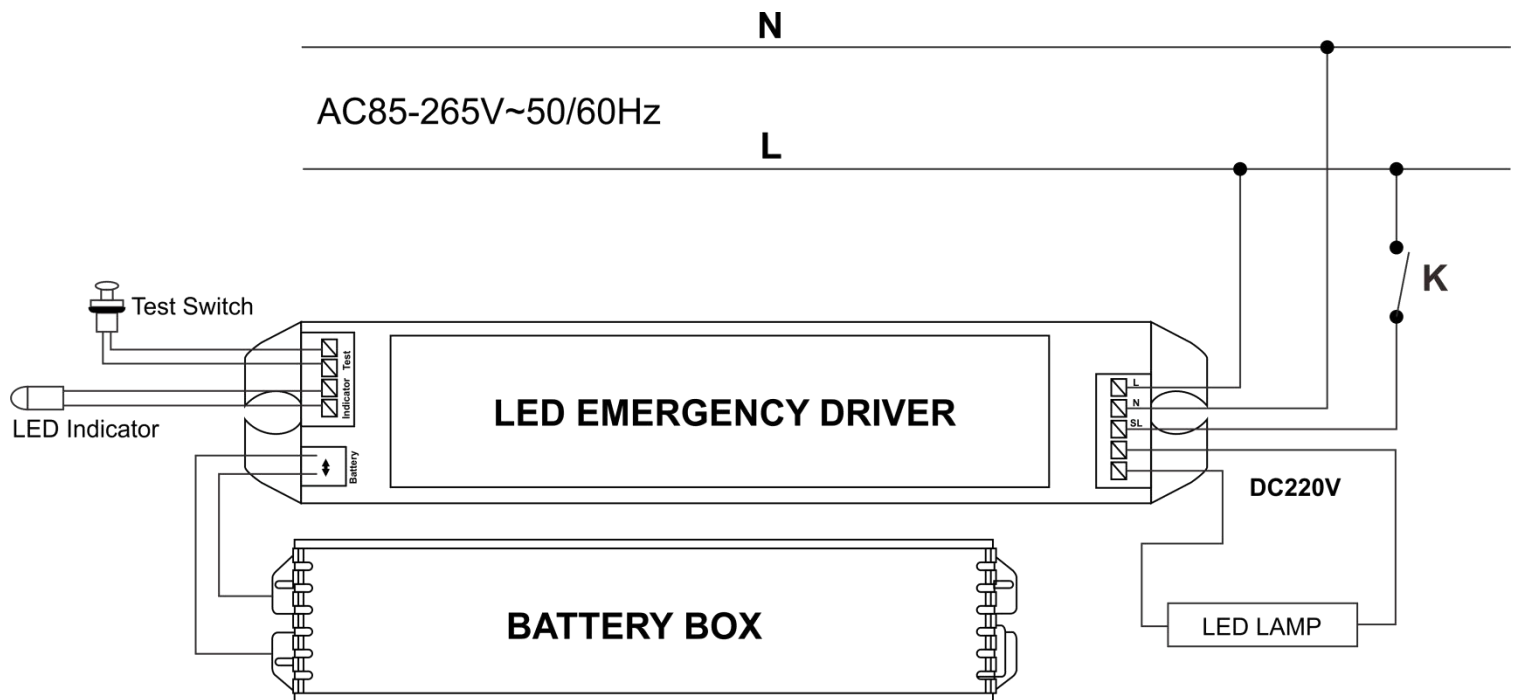
TECHNICAL DATA (25°C/70% RH, AC230V/50Hz, Rated load)

Input Voltage	AC85-265V~50/60Hz
Output Voltage	230V
Input Power	3-40W, Max. 50W
Conversion Efficiency	>86%
Battery Type	Lithium ion 11.1V 4400mAh
Emergency Time	60-180mins
Charge Time	<24Hrs
Charging Power	10W, Max. 15W
Charging Current	220mA, Max. 300mA
Output Voltage/Current	230V $\pm$ 5% (0.03A - 0.15A)
Output Power	3-40W, Max. 50W (depends on LED lamp)
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°C - 45°C
Installation	Internal or External (for better heat dissipation)
IP Protection	IP20
Housing Materials	ABS

TEST BUTTON AND LED INDICATOR

Red LED ON	Mains power supply - Normal working
Press Test Button	Test function - to switch into EM mode

WIRING DIAGRAM



Warning: the switch wire (K) 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.