

# LED Emergency power kit YH33B-04IL



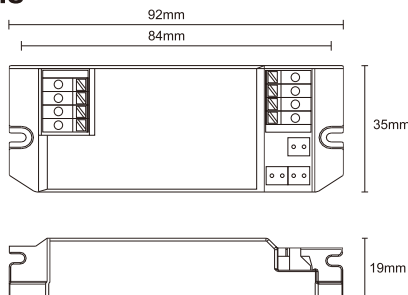
## Product description

- LED Emergency converter that can transfer standard LED fitting into emergency LED fitting.
- Used with LiFePO4 battery
- Suits for LED fitting with external LED driver
- Accessory test switch and charge indicator

## Applications

- Use in damp and dry environment.
- For use on a wide range of LED fittings to convert them from standard to emergency fitting.
- LED fitting would be maintained emergency LED fitting if standard (main powered) driver, emergency lighting kit and battery are all retained in the circuit.
- LED fitting would be non-maintained emergency LED fitting if only emergency lighting kit and battery are retained in the circuit.
- Additional Relay that can control standard LED driver.
- Deep discharge protection.
- Connector between emergency kit and battery has the function of polarity reversal protection.
- Ambient range  $t_a$  0...50°C
- IP20 protection, relies on end-product enclosure for protection against accidental contact live parts.
- Not intended for use in luminaries for high-risk task area lighting.

## Dimensions



## Technical data

Item	Data
Rated input voltage	100-277VAC,50/60Hz
Input current	50mA
Output power	3W
Power factor	>0.5
Terminal L-in / L-out (LED driver input constant)	AC 3A Max
Output voltage range	DC20...50V
Output current	75mA CC
Output power (max)	3.5W
Battery cells voltage/capacity	LiFePO4 6.4V 1600mAh,10.24Wh
Recharge current	200mA max
Recharge time	24hours
Discharge time	90 minutes
AC LED driver output(output +/-)	DC50V 1A Max
Lumen factor	140lm/W
Max. casing temperature $t_c$	70°C

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## Battery

Battery type	Battery model
LiFePO4 6.4V 1.6Ah	YHBL-2-1.6B

\*YH33B-04IL with LiFePO4 batterie  
If you need more details of spec, please go to [www.szstreamer.com](http://www.szstreamer.com) for downloading .

## Battery Declaration

- Batteries' lifetime is 5 years.If you are using or stocking the batteries for 5 years, please replace the batteries.
- The batteries can not be charged for 5000 hours consistently.  
It should be discharged for once at least, during the 5000 hours charging time.

## Size

Model No.:	Battery pack L×W×H
YHBL-2-1.6B	90×38×23mm

## Technical data(battery cells)

Battery model	IFR18650-1600
Battery voltage per cell	3.2V
Battery capacity per cell	1600mAh
Battery case temperature	0...60°
Max short term temperature	70°

## Install

- Installed on the back of the panel requires safety and fixation.
- Only professional people (e.g. electrical Engineer) can wire it.
- Please confirm that the electrical parameters of this product match with the luminaire.
- Please check the wiring method carefully before installation.
- Please power off mains supply before installation, and confirm the wiring is correct, then connect the battery, the last step is to turn on mains supply.

