

LED Emergency power kit YH33B-04IL



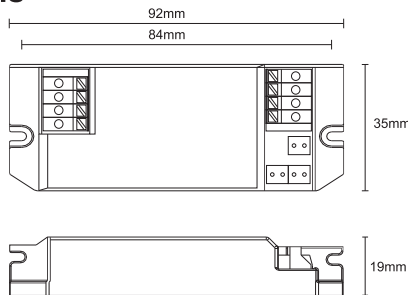
Product description

- 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 luminaires for high-risk task area lighting.
- Low energy consumption CEC Title20 compliance.

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 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

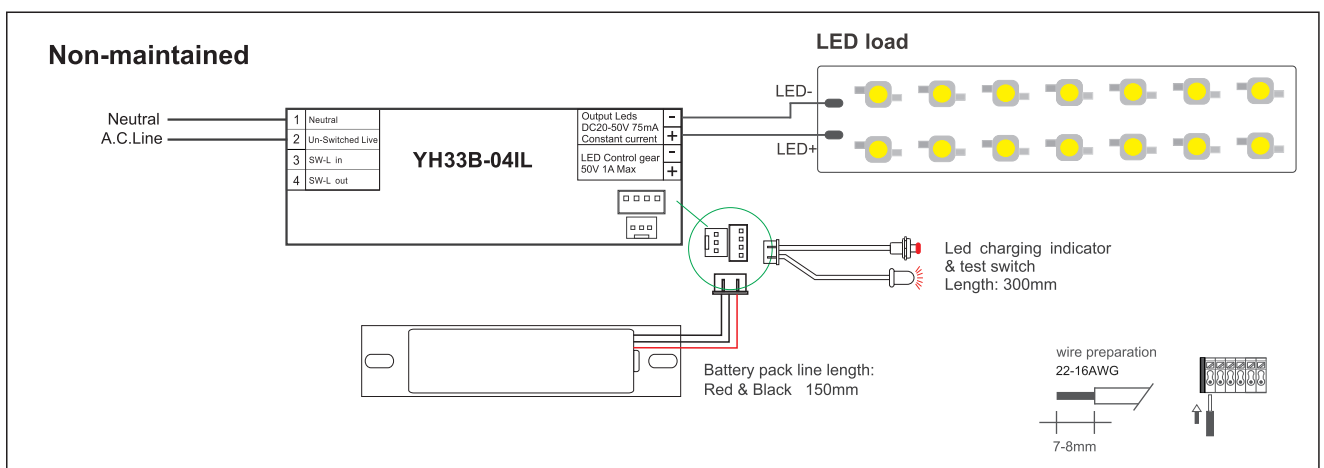
Model No.:	Battery pack L×W×H
YHBL-2-1.6B	90×38×23mm

Technical data(battery cells)

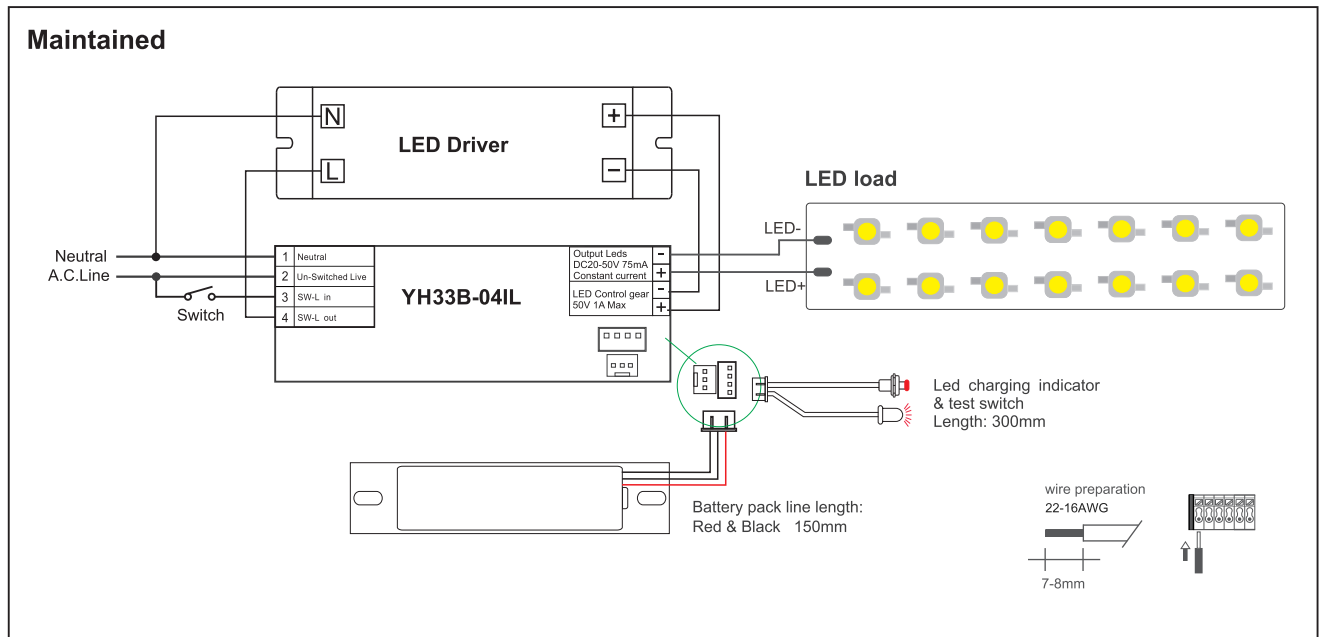
Battery model	IFR18650-1600
Battery voltage per cell	3.2V
Battery capacity per cell	1600mAh
Battery case temperature	0....60°
Max short term temperature	70°

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.



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LED indicator status

	Off: Battery disconnected or mains supply not disconnected
	Green stable: Battery charging or fully charged

Test switch

The test button is a open switch , if you press it , it connects, and then you release it , it cuts off automatically.

When you are doing the daily maintenance , if you press the test button, the emergency driver goes into emergency mode, if you release the button, the emergency driver will go back to normal mode.

LED indicator

It can reflect charging or not charging. LED charging monitor will be light if battery is connected while it will be off without battery connecting.

Attention

- To guarantee the rated discharge time, please charge the battery for more than 12 hours.
Please ensure that the voltage is 80% higher than the rated voltage, less than 110% of the highest rated voltage.
- Charge and discharge cycle needs to be done at least once every three months, and the continuous charging time can not exceed 3 months.

Warranty

- Warranty 5 years
- Except for the following circumstances:
 - 1) Improper installation or operation.
 - 2) Misuse.
 - 3) Abuse.
 - 4) Unauthorized or improper repair alteration.
 - 5) Accident or negligence in use, storage, transportation.
 - 6) Any natural acts.