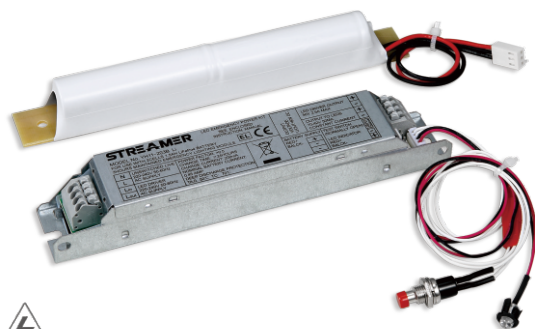


LED Emergency converter YH11 Constant power Li Series




220-240V

LED Emergency converter

Product description

- LED emergency converter that can transfer standard LED fitting into emergency LED fitting.
- Used with Lithium iron phosphate battery.
- Suits for LED fitting with external led driver.
- Accessory: test switch and charge indicator.

Relevant standard

IEC 61347-1
IEC 61347-2-7
EN 55015
IEC 60598-2-22



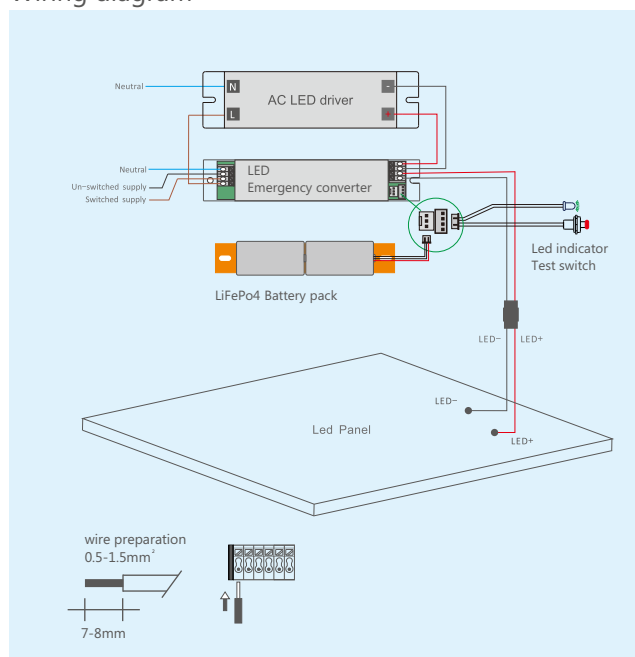
Applications

- 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.
- Full warranty 3 years.

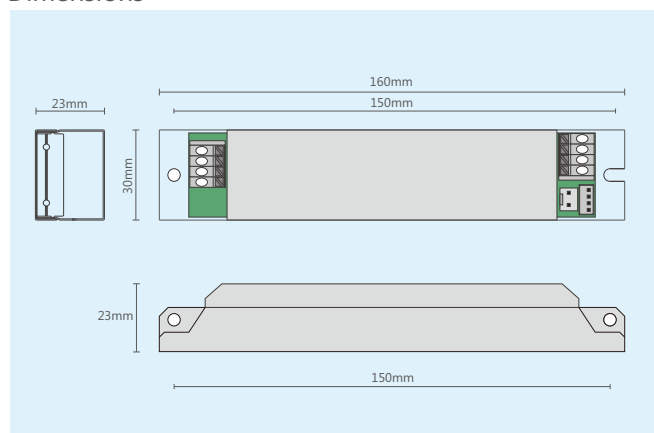
Technical data

- Input rated voltage: 220-240V AC 50-60Hz
- AC input current 10-60mA
- AC Input power rated 4 W max
- Power factor: >0.6
- Charge time ≥ 16 hours
- Charge mode: trickle re-charging on battery.
- Output emergency power 2-4 wattage constant power output.
- Output voltage DC10...50V, DC50-200V
- Battery capacity (LiFePo4):
1500mAh, 3000mAh
- Battery Charging Current 0-400mA
- 1, 1.5, 2 or 3 hours rated duration
- Charging indicator light
Green light on--Battery is charging
Green light on--Battery is fully charged
Indicator off--The device is something wrong and is malfunction.
- Max. casing temperature t_c 70°C
- Lumen Factor: 140lm/Wattage
- Reinforced insulation between the supply and the battery circuit.
- This unit can recharge the battery normally after reconnecting of battery.

Wiring diagram



Dimensions



LED Emergency converter YH11 Constant power Li Battery

Product Description

- High-temperature Lithium iron phosphate batteries
- 2, 4 Cells Lithium iron phosphate Battery pack

Technical Data

- Rated 500 charge/discharge cycle
- 18650 battery core
- Battery voltage 3.2V/Cell
- Max. short term temperature 70°C
- Ambient temperature 0°to +50°C°

Battery wire

- Two wires: 1 red and 2 black
- Length: 200mm
- Wire type: 0.75mm²

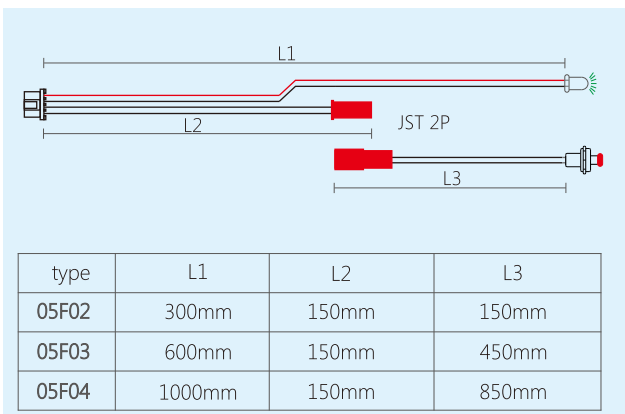
Battery



Test switch and LED indicator



ORDERING DATA



Product description

- For connection to the emergency lighting unit
- The test switch for checking the device function
- The LED indicates that charging current is flowing into the battery
- Plug connection

LED indicator

- Mounting hole 6.5mm dia
- Wire insulation rating: 85°C

Test switch

- Mounting hole 7mm dia
- Wire insulation rating: 85°C

NAMING RULES

Emergency lighting kit	Nomenclature
	$\frac{\text{YH11}}{1} - \frac{2}{2} \frac{03}{3} \frac{1050}{4} \frac{\text{Li}}{5}$
1 Basic series	YH11
2 Power(Emergency mode)	2: 2W ; 3: 3W; 4: 4W; 6: 6W
3 Duration	01: 60 minutes 15: 90minutes 02:120 minutes 03: 180minutes
4 Output voltage (Emergency mode)	1050: 10V to 50V 50200: 50V to 200V
5 Battery	Li: Use LifePo4 battery

Ordering data

Type	Article number	Mode *Constant power	Battery	Duration	Qty /Carton
YH11-6011050Li		DC 10-50V 6W	LiFePO4 6.4V1.5AH	1 Hour	25pcs
YH11-601H200Li		DC 50-200V 6W	LiFePO4 6.4V1.5AH	1 Hour	25pcs
YH11-3021050Li		DC 10-50V 3W	LiFePO4 6.4V1.5AH	2 Hours	25pcs
YH11-302H200Li		DC 50-200V 3W	LiFePO4 6.4V1.5AH	2 Hours	25pcs
YH11-4151050Li		DC 10-50V 4W	LiFePO4 6.4V1.5AH	1.5 Hours	25pcs
YH11-415H200Li		DC 50-200V 4W	LiFePO4 6.4V1.5AH	1.5 Hours	25pcs
YH11-2031050Li		DC 10-50V 2W	LiFePO4 6.4V1.5AH	3 Hours	25pcs
YH11-203H200Li		DC 50-200V 2W	LiFePO4 6.4V1.5AH	3 Hours	25pcs
YH11-4031050Li		DC 10-50V 4W	LiFePO4 6.4V3.0AH	3 Hours	25pcs
YH11-403H200Li		DC 50-200V 4W	LiFePO4 6.4V3.0AH	3 Hours	25pcs

Installation Notice

Before installation or maintenance, ensure that the mains supply to the luminaire is switched off and the circuit supply fuses are removed or circuit breaker switched off.

It is recommended that a qualified electrician is consulted or used for the installation of this product and installed to the current edition of the IEE wiring Regulations and relevant Building Regulations.

No automatic test function.

Check that the total load on the circuit including when this product is fitted does not exceed the rating of the circuit cable, fuse or circuit breaker.