

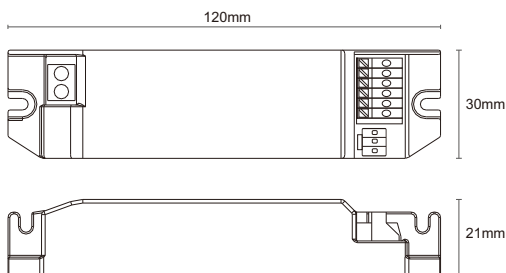
LED Emergency converter YH19-02IL Series



Relevant standard

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

Dimensions



Non-maintained LED Emergency conversion kit

Product description

- LED emergency module suitable of direct installation in LED lamps
- Used with Lithium iron phosphate battery.
- Accessory: test switch and charge indicator.

Technical data

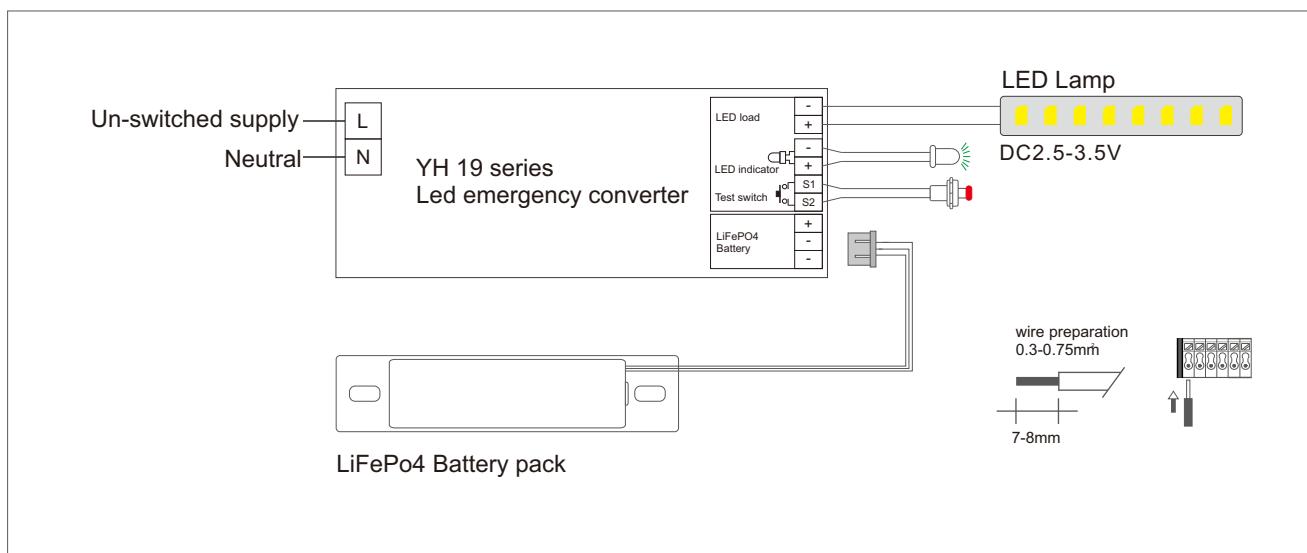
- Input rated voltage: 220-240V AC 50-60Hz
- AC input current : 30mA
- AC Input power rated 2.5 W max
- Power factor: 0.5
- Charge time ≥ 16 hours
- Charge mode: trickle re-charging on battery.
- Output emergency power:
 - 1-6 wattage DC2.5...3.5V constant current output.
- Battery cells capacity (LiFePo4) 1500mAh
- Battery Charging Current: 0-250mA
- 1-3 hours rated duration
- Charging indicator light : Green
- Ambient range t_a 10...50°C
- Max. casing temperature t_c 70°C
- Storage temperature:-10...45°C
- Lumen Factor: 120lm/Wattage
- Reinforced insulation between the supply and the battery circuit.
- This unit can recharge the battery normally after reconnecting of battery.
- IP20 protection

Ordering data

Model No.:	Output *Constant current	Battery backup	Duration	Qty/ Carton
YH19-02IL1	DC 2.5-3.5V 900mA	LiFePO4 3.2V 1.5AH	1 hour	40pcs
YH19-02IL2	DC 2.5-3.5V 500mA	LiFePO4 3.2V 1.5AH	2 hours	40pcs
YH19-02IL3	DC 2.5-3.5V 300mA	LiFePO4 3.2V 1.5AH	3 hours	40pcs

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Wiring diagram(Non-maintained)



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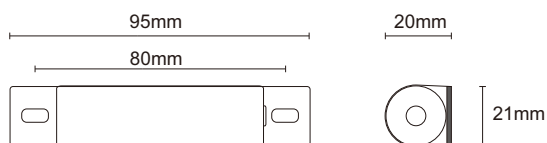
Technical data

- Battery voltage/cell: 3.2V
- Capacity one cell: 1.5Ah
- Single cell dimensions
Diameter: 18mm
Height: 65mm
- Max. number discharge cycles: 500 cycles total
- Ambient range: $10 \dots 50^{\circ}\text{C}$
- * The minimum operating temperature of the battery is -10°C , and long-term use at -10°C will have an impact on the life of the battery,
- * The battery's capacity at -10°C is only 40% of the rated capacity, and the capacity at 0°C is only 60% of the rated capacity.
- Max. short term temperature (reduced life-time) 60°C
- Storage temperature: $-10 \dots 45^{\circ}\text{C}$



Battery pack

1Pcs 18650 3.2V1.5Ah



Battery wire

- Two wires: 1 red and 2 black
- Length: 200mm
- Wire type: 0.5mm²