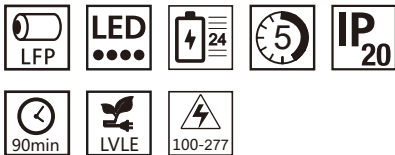


LED emergency driver YH29FA



Product description

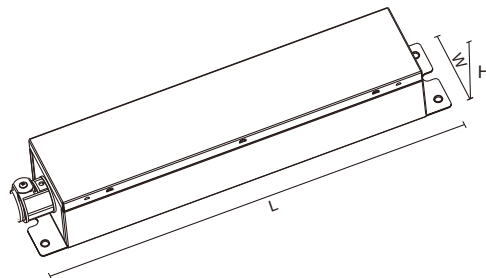
- Suit for 10W to 200W lamp with internal or external led driver, 25W-200W lamp must be with 0-10V dimming function. 10W-24W lamp could be without 0-10V dimming function.
- Used with LiFePO4 battery.
- 200VDC/120VAC output (Sinusoid).
- LED emergency converter that can transfer standard LED fitting into emergency LED fitting.
- Accessory test switch and charge indicator.

Applications

- UL Listed for dry/damp locations.
- For use on a wide range of LED fittings to convert them from standard to emergency fitting.
- Output DC200V or AC120V 60Hz (Sinusoid)
- Additional Relay that can control standard LED driver.
- Deep discharge protection.
- Ambient range ta 0....50°C.
- IP20 protection.
- Not intended for use in luminaries for high-risk task area lighting.

Dimensions

L330×W67×H55 mm
L 12.9' × W 2.6' × H 2.2'



MODEL

Model No.:	Input voltage	Output voltage/power (Emergency mode)	Battery pack	Duration (E.M mode)
YH29FA-25VL	100-277Vac 50-60Hz	150-200V 25W	LiFePO4 12.8V 4.5Ah	90minutes

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Technical data

Item	Data
Rated input voltage	100-277VAC, 50/60Hz
Input current	120mA max
Input power	8.5W max
Power factor	0.6 @100VAC
Output wire L-out N-out (LED load input)	AC 6A Max
Output voltage range	AC120V,60Hz(sinusoid)
Max output voltage	200V
Battery pack voltage/capacity	LiFePO4 12.8V 4500mAh,57.6Wh
Recharge current	0-500mA
Recharge time	24hours
Discharge time	90 minutes
Max. casing temperature tc	70°C

Protections

- Input over current protection.
- Output over voltage protection.
- Output under current protection.
- Output short circuit protection.

YH29FA suit for below lamp.

- 10W-200W lamp with internal led driver
- YH29FA-25VL
25W above lamp must be with 0-10V or 1-10V dimming function.
Lamp power must be $\leq 24W$ (1W extra power) when dimmer is at the lowest voltage.
- Can be used with dimmer or switch.

CAUTION

- DO NOT USE OUTDOORS.
- DO NOT MOUNT NEAR GAS OR ELECTRONIC HEATERS.
- EQUIPMENT SHOULD BE MOUNTED IN LOCATIONS AND AT HEIGHTS WHERE IT WILL NOT BE SUBJECTED TO TAMPERING BY UNAUTHORIZED PERSONNEL.
- THE USE OF ACCESSORY EQUIPMENT NOT RECOMMENDED BY THE MANUFACTURER MAY CAUSE AN UNSAFE CONDITION.
- DO NOT USE THIS EQUIPMENT FOR OTHER THAN ITS INTENDED USE.

- Use with grounded, UL Listed, damp location rated fixtures and case should be grounding.
- The equipment is intended for ordinary locations and for permanent installation into one or more Listed emergency luminaries.

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Installation instruction

- Please install this product properly by the licensed electrician.
- Surface mounting and suspending mounting are available.
- Please check and confirm all the data and usage surrounding before installation.
- This item could be used in the sealed fixtures or installed open area of the fixtures.
- Please keep it away from the flammable materials with a place of good heat dissipation.
- Please charge the battery consistently for >24 hours for the first time usage so as to activate the whole battery cells of discharging/charging duration.

Notes

- Two wiring diagrams with switch and with dimmer are shown in the next page.
For 25W above lamp, LED emergency driver wires to lamp Dim+ and Dim- must connect to the light Dim+ and Dim- wires no matter a dimmer or a switch is used.
- The lamps turn on /off automatically several times when first connect to power is the automatic emergency testing.
- Users are not suggested replacing the batteries by themselves. If needed, please use the nominated batteries pack by the manufacturer and contact with us for the instructions of maintenance.

Test switch

Emergency conversion kit will go into emergency mode if test switch is pressed when main supply is on, while it will go into charging mode if test switch is not pressed.

In emergency mode, press the test switch for 3 seconds to turn off the current emergency state.

Test Switch LED indicator

- Red stable: charging mode or charging full.
- Red off: main power off or discharging mode.
- Red flash: 0.5 second fast flash- represents failure.
2 second slow flash- represents low battery voltage and needs recharging.

Maintenance

Please turn off the main power every 3 months, so as to let the battery operate a charging/discharging circle. This will help make battery sustain a longer lifetime.

Please check the emergency function with the push test button.

Battery capacity is >60% when factory deliver goods, so it could be consistently stocked for Max 12months.

Warranty

Limited 5 years.

Except for the following circumstances:

- 1) Improper installation or operation.
- 2) Misuses.
- 3) Abuse.
- 4) Unauthorized or improper repair alteration.
- 5) Accident or negligence in use, storage, transportation.
- 6) Any natural acts.

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Wiring diagram

