

FEATURES

- Widely output voltage range fit for the isolated and non-isolated LED driver solutions.
- Both remote control and bluetooth control are available

ELECTRICAL SPECIFICATIONS

- Input voltage: 120-347V AC 50/60Hz
120-277V AC 50/60Hz
120-480V AC 50/60Hz
277-480V AC 50/60Hz
- Input current: 0.15A Max
- Input power: <15W
- Power factor: 0.6 @120V AC, 0.5@277V AC
- Output voltage: 20-60V DC / 90-300V DC
- Max.load current: 6A
- Battery: Li-ion / LiFePO4
- Recharge duration: 24Hrs
- Emergency duration: ≥90mins
- Ambient temp: Li-ion (0-50°C / 32-122°F)
LiFePO4 (0-60°C / 32-140°F)



Self Test

CP CONSTANT POWER EMERGENCY OUTPUT

HSE-EOGXX-01S Series
10W/15W/20W/25W (Li-ion)

HSE-EOGXX-02S Series
12W (LiFePO4)



Regular Version



Bluetooth Version

HSE-EOGXX-01S Series
30W/40W (Li-ion)

HSE-EOGXX-02S Series
25W (LiFePO4)



Regular Version



Bluetooth Version

BATTERY CAPACITY

Li-ion						
Emergency Wattage	10W	15W	20W	25W	30W	40W
Battery Capacity	14.4V / 2000mAh	14.4V / 2600mAh	10.8V / 4400mAh	10.8V / 5200mAh	14.4V / 5200mAh	14.4V / 6000mAh

LiFePO4		
Emergency Wattage	12W	25W
Battery Capacity	9.6V / 3200mAh	12.8V / 4800mAh

NORMAL MODE

Fixtures will operate normally when power is available. When an outage occurs, the fixture will switch to emergency mode, delivering power to the fixture for up to 90 minutes.

EMERGENCY MODE

1. The emergency battery backup enters the emergency mode immediately after the mains power failure.
2. Stop the emergency and return to the charging state after the mains power call.

SELF-DIAGNOSTIC

MONTHLY SELF-TEST

It will automatically perform a monthly self-test every 30 days with a duration of 30S to check whether the emergency function is normal, and automatically restore to normal charging after 30S discharged.

ANNUAL SELF-TEST

An annual self-test will be done every year (12 months) with a duration of 90mins to check whether the capacity of the battery pack is normal, and automatically restore to normal charging after fully discharged. (the condition of annual test is that the battery pack is fully charged).

If the annual inspection is interrupted, it will be retested after recovery and when the test conditions are met. (Possibility of interruption: such as sudden power failure, sudden manual test).

TEST BUTTON & LED INDICATOR

Operations	Test button operations	Remote control operations	Indicator status	Working status
Normal mode	Press and hold the test button	Press button A	OFF	Emergency mode
	/	Press button B	OFF	Monthly testing
	/	Press button C	OFF	Annual testing
	/	/	ON	Battery is charging or fully charged
	Press the test button 5 times within 5S	Press button D 10S	Flashing 3 times	Bluetooth reset
Emergency mode	Press the test button 5S	/	OFF	Turn off the battery pack
Malfunction mode	/	/	Flashing	1.The battery pack is disconnected or it is broken. 2.The load is disconnected. 3.Short circuit or open circuit. 4.The wires are not connected properly.

*Note:After power on the Bluetooth Emergency driver, LED red indicator light breathing when unprovisioned, red indicator light keeps on means the EM device has been connected by another user and weren't correctly disconnected, please use the remote control to reset it or press the test button 5 times within 5S to reset the EM.

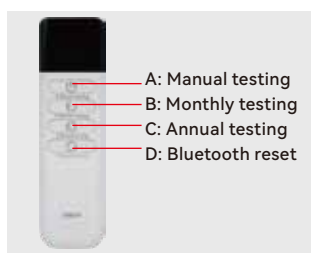
ACCESSORIES



Test Plate & LED Indicator



Wire Nuts



1pc Remote Control *Optional

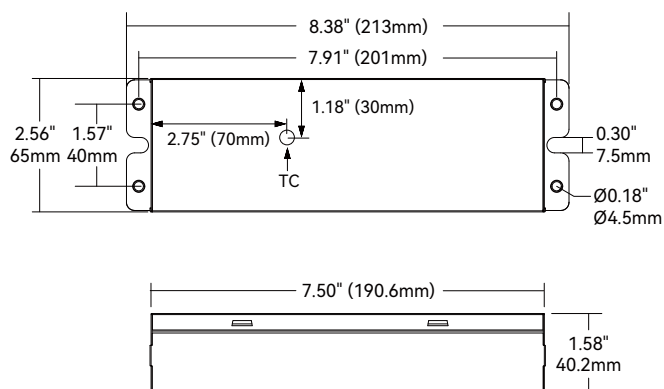
Emergency driver for LED hook-up



With conduit

L 8.38" (213mm) x 2.56"(65mm) x 1.58"(40.2mm)

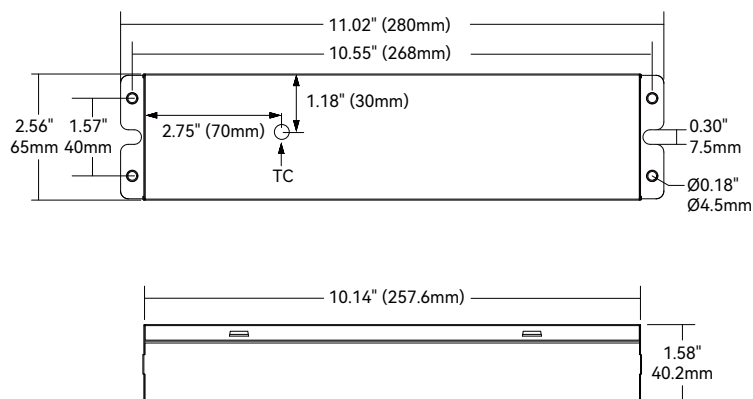
HSE-EOGXX-01S Series	HSE-EOGXX-02S Series
10W/15W/20W/25W (Li-ion)	12W (LiFePO4)



With conduit

L 11.02" (280mm) x 2.56" (65mm) x 1.58" (40.2mm)

HSE-EOGXX-01S Series	HSE-EOGXX-02S Series
30W/40W (Li-ion)	25W (LiFePO4)



MECHANICAL STRUCTURE

REGULAR VERSION



Infrared Receiver & Test Button

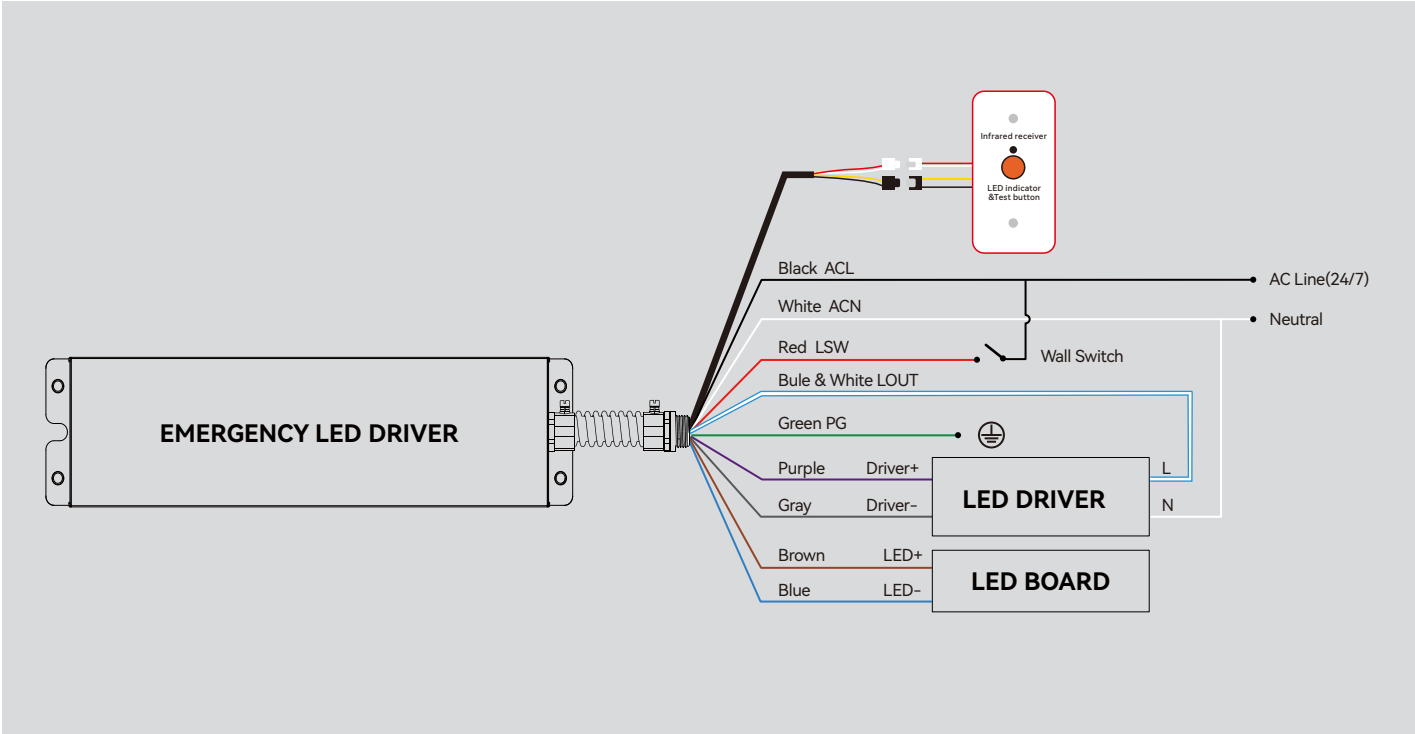
BLUETOOTH VERSION



Infrared Receiver & Test Button



WIRING DIAGRAM



ORDERING INFORMATION Example: HSE-EOG10-01S-HV-LB

BRAND	PRODUCT FAMILY	EMERGENCY WATTAGE		BATTERY TYPE		OUTPUT VOLTAGE		INPUT VOLTAGE		BLUETOOTH	
HSE Brand	EOG	10	10W	01	Li-ion	HV	90-300V DC		120-347V AC,50/60Hz	B	Regular Version
		15	15W	02	LiFePO4	LV	20-60V DC	L	120-277V AC,50/60Hz		Bluetooth
		20	20W	S	Self-test			H	120-480V / 277-480V AC		
		25	25W						50/60Hz (Optional)		
		30	30W								
		40	40W								

IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed, including the following:

CAUTION
READ AND FOLLOW ALL SAFETY INSTRUCTIONS

- 1. CAUTION – To prevent electrical shock, do not mate unit connector until installation is complete and AC power is supplied to the unit.
- 2. CAUTION – This fixture provides more than one power supply output source. To reduce the risk of electrical shock, disconnect both normal and emergency sources by turning off the AC branch circuit and by disconnecting the unit connector.
- 3. CAUTION – This is a sealed unit. Components are not replaceable. Replace the entire unit when necessary.
- 4. CAUTION – Installation and servicing should be performed by qualified personnel only. De-energize before opening.
- 5. The EOG is for use with grounded LED luminaires listed to UL standards. Not for use in heated air outlets or hazardous locations.



6. The EOG requires an unswitched AC power source of 120-347V / 120-277V / 120-480V / 277-480V, 50/60 Hz.
7. The EOG and AC driver must be on the same branch circuit.
8. Do not mount near gas or electric heaters.
9. The EOG should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
10. The EOG will supply 20-60V DC / 90-300V DC output at the individual rated specification for 90 minutes.
11. Suitable for use in damp locations and plenum spaces.
12. Flexible metal conduit is optional, depends on installation environment.
13. For use in 0° C minimum, 50° C maximum ambient temperatures.
14. Do not use this equipment for other than intended use.
15. Install in accordance with the National Electrical Code and local regulations.
16. Lighting fixture manufacturers, electricians, and end-users need to ensure product system compatibility before final installation.

MAINTENANCE

1. Battery capacity >60% before shipment;
2. Maximum storage period: 12 months at normal temperature.
3. For 6-12 months storage, conduct at least one full charge-discharge cycle for the battery pack.

APP DOWNLOAD

