Features

- Used with lithium battery
- Suits for LED fitting with external LED driver
- Accessary test switch and LED indicator
- Auto Testing - Self Diagnostic Operation
- With multi-protection function:
  - battery overcharge protection;
  - battery over-discharge protection;
  - output overload protection;
  - short-circuit protection.

Technical Data

Input voltage	220-240 Vac 50/60Hz
Input current	0.03A Max. @230Vac
Input wattage	<4W
Power factor	⩾0.5@230Vac
Battery charging current	300mA MAx
Battery charging time	<24h (Max)
Working humidity	20-80%RH(No Condensation)
Working temperature	-20-60℃
Maximum shell temperature	75℃
Storage Temperature	-20-40℃
Electric Strength	3000Vac 5mA (input to output)
IP Rating	IP20

Status LED & Test button

LED Indicator	Yellow on	The battery discharge time is insufficient	Main power supply
	The yellow indicator blinks at 1Hz	The battery is open circuit or the charging circuit is short-circuited	
	The yellow indicator blinks at 3Hz	The Led fixture is open circuit , short circuit or no output when in the self-test state	
	Red on	Battery charging	
	Red off	Battery stop charging	
	Green on	In main power mode	
	The green indicator blinks at 1Hz	Monthly self-test status	
	The green indicator blinks at 3Hz	Annual self-test status	
	The green indicator blinks two times	Fast manual monthly/annual self-test	
	LED indicator off	Emergency status	Battery supply
	The yellow indicator blinks at 3Hz	The Led fixture is open circuit ,short circuit,after 2 seconds,the output is turned off and the battery enters the standby state, need to reconnect the mains and then timing into normal operation	
	Yellow on	Battery capacity is low	
Test button	1S<Key≦3S	Green off,enter simulated emergency,maintain emergency status for 10S and exit	Main power supply
	3S<Key≦5S	The green indicator blinks at 1Hz,enter the monthly self-test, maintain the emergency status for 120S and exit	
	5S<Key≦7S	The green indicator blinks at 3Hz,enter the Annual self-test, keep to low battery voltage and exit	
	Double click	The green indicator blinks two times,quickly view the monthly self-inspection and annual self-inspection, and automatically enter the annual self-inspection after 11 times of monthly inspection	
	3S<Key	Exit the emergency state and enter the standby state,need to reconnect the mains and then timing into normal operation	Battery supply

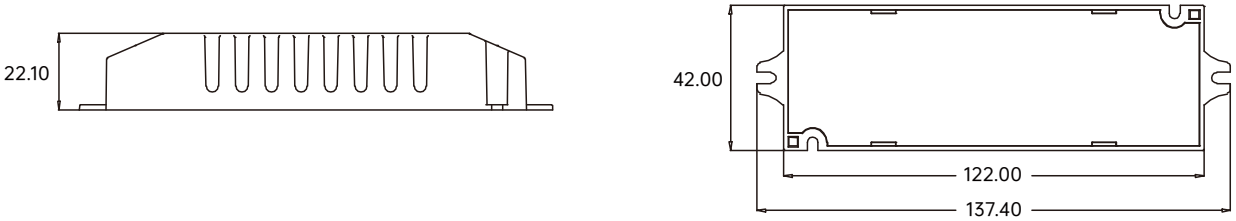
About Self-test

Self-test	Monthly inspection test	After the emergency battery backup works normally in the main power state for 48 hours, it automatically enters the emergency state from the main power state every 30 days (±2 days), and returns to the main power state after the emergency continues for 120S	Main power supply
	Annual inspection test	The emergency battery backup works normally in the main power state, and automatically changes from the main power state every 1 yearEnter the emergency state and keep it until the battery enters the low voltage protection and returns to the main power state, and the continuous emergency time should not be less than 30 minutes	
	Fast manual monthly/ annual self-test	About 12 minutes for one-month self-test cycle; after emergency 35S±3S, it will automatically return to the main power working state; about 170 minutes for one-year self-test,Continue to discharge until the discharge is terminated and then automatically return to the main power working state	

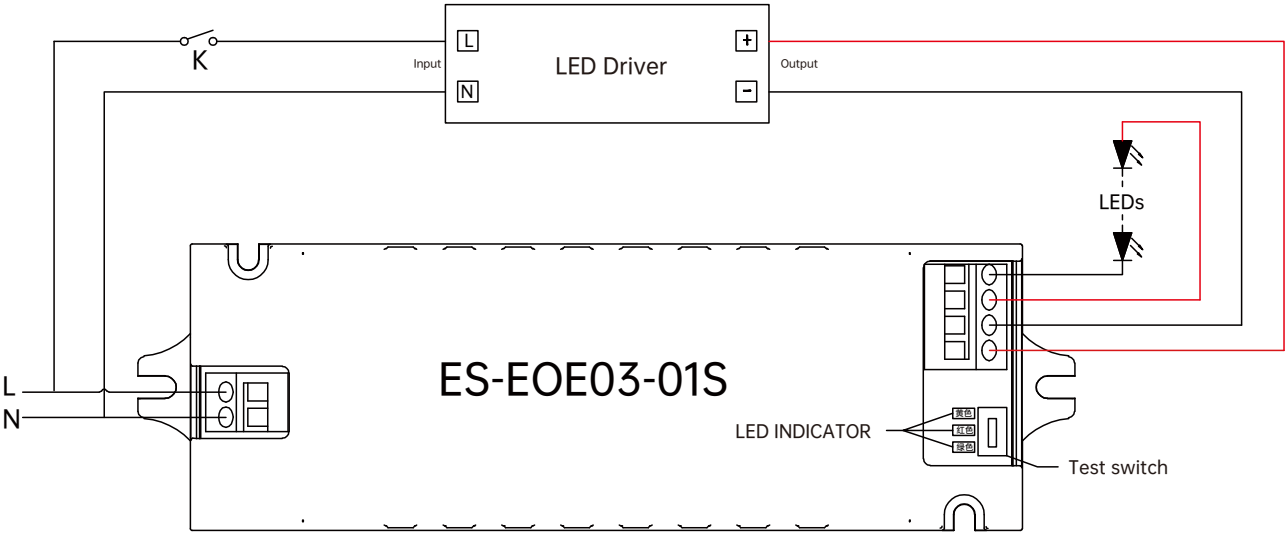
Model Selection table

Model No.	Input voltage	Ouput voltage	Output current	Lithium battery	Emergency time	Emergency power
ES-EOE03-01S-120V	220-240Vac 50/60Hz	12-120V DC	20-60mA	3000mAh/3.7V	3Hrs	3W
ES-EOE03-01S-200V	220-240Vac 50/60Hz	50-200V DC	30-10mA	3000mAh/3.7V	3Hrs	3W

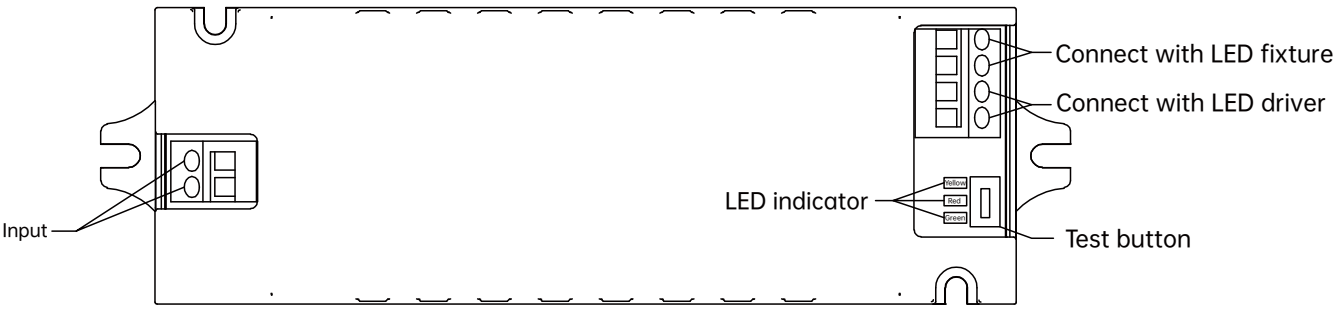
Dimension (Unit: mm)



Wiring Diagram



Mechanical Structure



Cautions

1、If it is used for the first time or it does not enter the normal working state after being over-discharged, it is necessary to connect the main power to activate the emergency power supply and charge it for 24 hours. Please use the original emergency battery provided
2、The product has a built-in battery. When installing and using it, please keep it away from heat sources and only use it within a certain working temperature range.
3、Should be stored in a cool, dry environment.
4、After prolonged storage, recharge at least once every 6 months as needed.