Specification for LED Emergency Driver.

1. Features

- Constant power output LED emergency power supply with a wide output voltage range;
- output relay switching.
- Built-in battery
- Battery overcharge, over discharge protection, output short circuit protection.
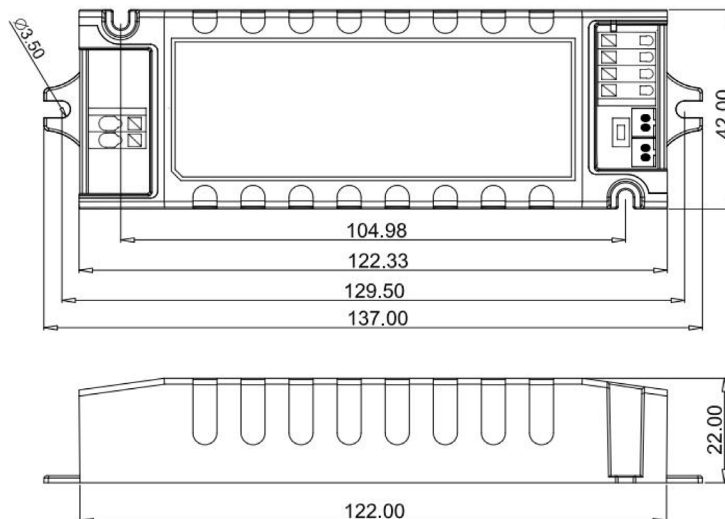
2. Parameters

Charge Part	Rated input voltage	220-240Vac 50Hz /60Hz
	Rated input current	0.06A Max. @230Vac
	Input inrush current	12A(twidth=100uS 50% Ipeak)@230Vac（Cold start at full load ）
	Power factor	0.4 @230Vac
	Input power	<2W
	Battery charging current	200mA Max.
	Battery charging time	24 hours Max.
Emergency Part	Operating mode	Emergency mode
	Load type	LED
	Emergency power	3W
	Emergency time	3hours
	Load output current	150-60mA
	Load output voltage	20-50VDC
Battery	Type	Li-ion：3.7V 2600mAh
Exception Driver Requirements	Surge current	2A
	Input current	1 A Max.
	Output current	1 A Max.
LED Indication	Charging	Green light
	Fault	Green light off
Emergency Function Test	Manual test	Yes
	Auto test	NO
Emergency protection	Battery over-charge/deep discharge protection	Yes
	Output over-voltage protection	Yes
	Output overload protection	Yes
	Output short circuit protection	Yes

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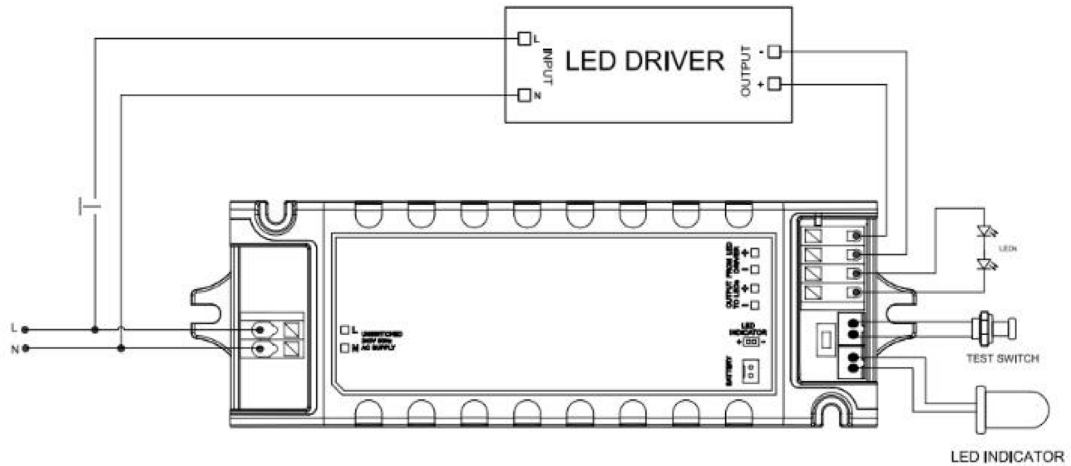
Page 1 of 4

Operating Environment	Operating temperature/humidity	0℃…+50℃humidity:20%-75%(without condensation)
	Storage temperature/humidity	-5℃-35℃
	Case Max. Temp(Tc)	75℃
Safety & EMC	Withstand voltage	3000Vac 5mA 60S (Input "L N" – output "SEC+ SEC-)
	Safety standard	EN61347-1, EN61347-2-7
	EMC standard	EN55015, EN61000-3-2, EN61000-3-3
	Battery standard	UN38.3
	Environmental protection requirements	Compliant to RoHS
	Certification	CE
Others	Input/output(terminal/wiring) specification	Press terminal, wire diameter：0.5-0.75mm^2
	IP rating	IP20
	Type of protection	Class 2
	Installation type	Built-in installation
	Installation dimension	137*42*22mm
	Packaging requirement	White box+Instruction manual+clapboard+outer carton(K=A)
	Weight	110g
	Lifespan	Emergency driver 30000h @Ta full load（driver not included）

Notes：

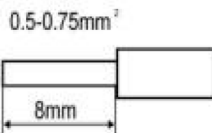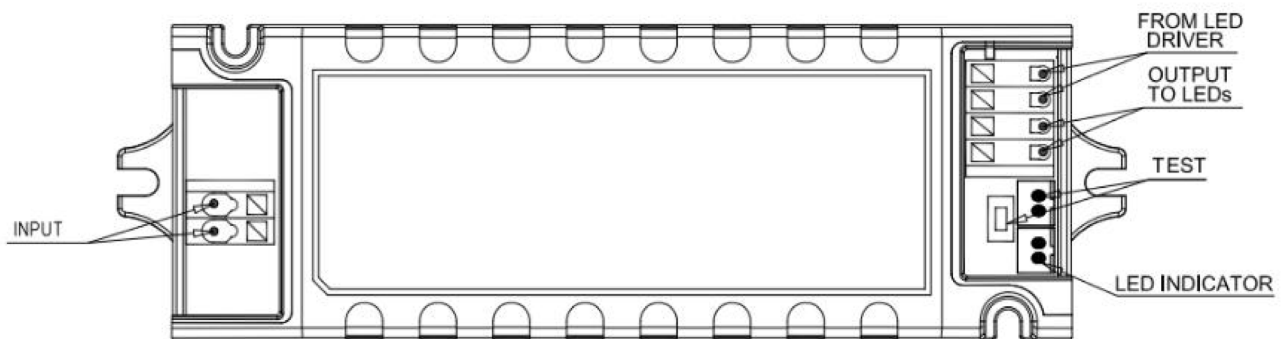All parameters are tested on the input voltage 230Vac,environment temperature 25℃,unless otherwise specified.

3. Dimension (Unit：mm)

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Page 2 of 4

4. Wiring Diagram

5. Wire Preparation

1).Solid or Stranded wire type：0.5 -0.75mm^2

2)To access or remove the wires from the terminals, use

a screwdriver to push the buttons down

7.Manual Test & Operation Instructions

1). Connect the wire according to wiring diagram.

2).L,N power on, Switch on S1. then the load lamp turns on,The emergency driver indicator light will turns green,

emergency power supply normal charging. Turn off Switch S1, the load lamp turns off.

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Page 3 of 4

3).)Emergency Simulation: Switch on,the load lamp turns on, press the switch(TEST SWITCH), then switch to emergency mode, the indicator light of emergency driver will be extinguished. Release the switch(TEST SWITCH), then lamp is powered by led driver, the indicator light will turn on.

8.Battery Application Notice

1)The battery should be recharged and discharged semiannually in normal use conditions.

2)When storing, keep it in a non-working state. The load can be disconnected for 3 seconds, and emergency work will stop.Please keep the battery from the heat source when installing and using, and only be allowed to use in certain working temperature range.

3)The battery should be stored in a cool and dry environment.

4)After long time storage, the battery is cycled every 6 months as required.