LED EMERGENCY DRIVER DATASHEET

CU-DY08

1. Product Features



- Suitable for 5 0 W-300W LED lamps.
- IP65 protection level.
- Applicable to LED with external driver.
- Voltage protection: wide voltage input AC 85V-265V.
- Short circuit protection and no loading protection.
- Test button and two-color LED indicator .
- Battery: lithium ion battery with overcharge and over discharge protection.
- The patented control circuit is used in emergency driver, which makes it faster in conversion and a high efficiency of inversion.

2. Battery

- High temperature resistant batteries
- Built-in a 12.8V 4000mAh LiFePO4 battery

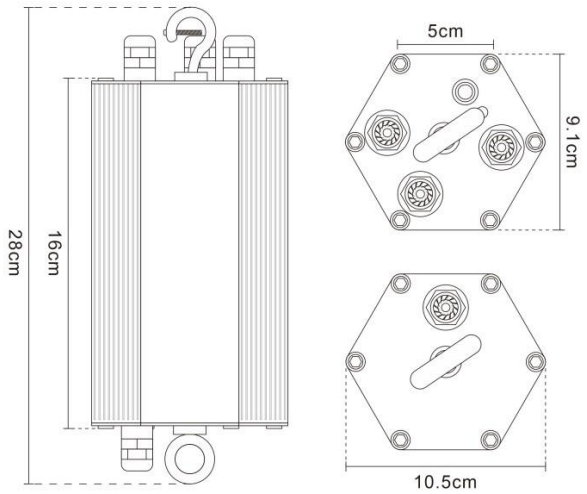
3. Ordering Information

Product Item	CU-DY08
Light Source Type	LED with external LED driver
Output Voltage	DC 100-300V
Lamp Power	15W-300W
Emergency Time	180 minutes
N.W. / G.W.	17.2 KGS/CTN; 19.2 KGS/CTN
Package	1 PCS/BOX ; 100 BOXES/ CTN

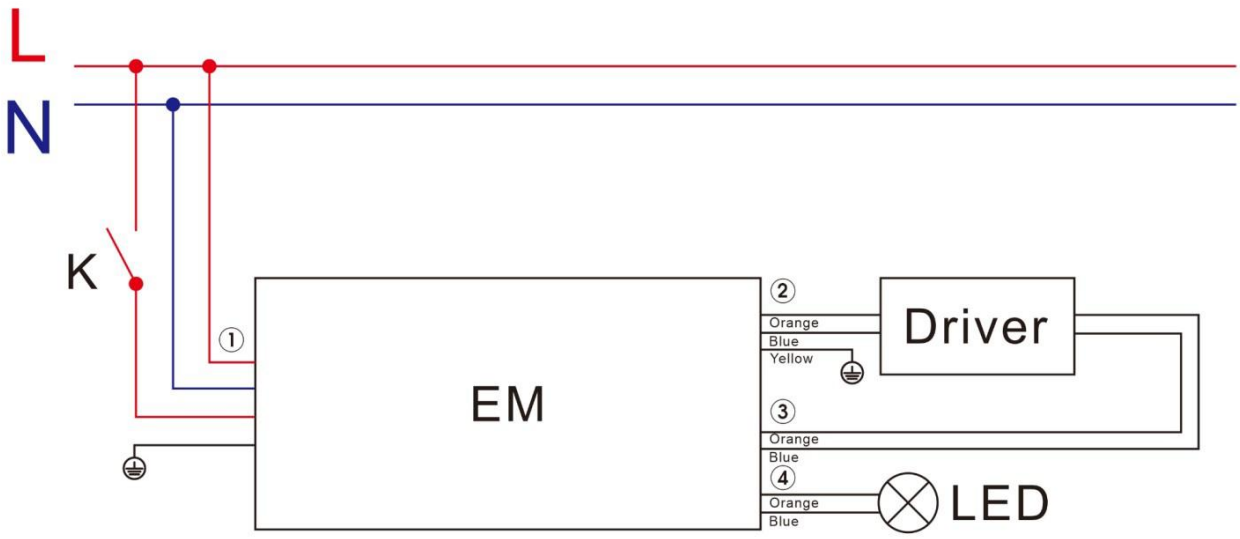
4. Electrical Parameters

Product Item	CU-DY08
Input Voltage	AC 85-265V
Emergency Output Voltage	DC 100-300V
Rated Frequency	50/60 Hz
Power Factor	≥0.95（≥75%load）
Input Power（Lamp Power）	15W-300W
Conversion Efficiency	≥90%
Battery Voltage/Capacity	12.8V 4000mAh
Battery Type	LiFePO4
Conversion Time	≤ 0.05S
Charging Time	≤ 24h
Emergency Time	180 minutes
Emergency Power	15W
IP Rate	IP65

5. Appearance Size（Unit：cm）



6. Installation Wiring



7. Technical Term:

- AC Power Status---working status of LED lamp and emergency driver when AC power is OK.
- Emergency Status---working status of LED lamp and emergency driver when AC power fails.
- Changing time to emergency---time needed for emergency driver to supply power when AC power is off.

Meaning of the indicator color:

Indicator Light Function	RED	When battery is charging: LED ON. Full charged or emergency status: LED OFF.
	GREEN	Main power:LED ON;emergency status: LED OFF. Monthly inspection status: slowly flashing. Annual inspection status: fast flashing. Battery fault: slowly flashing.
Test Button Function	Manual Test	Press the button for 1 second and release. Simulate emergency status.
	Manual Monthly Inspection	Long press the button for 3-5 seconds. Then release the button to start monthly inspection; press once again to quit monthly inspection.
	Manual Annual Inspection	Long press the button for 5-7 seconds. Then release the button to start annual inspection; press once again to quit annual inspection.
	Emergency Shutdown	In emergency state quickly press 2 times for emergency shutdown.
	Fault Removal	After a fault is removed press the button once and the system enters normal state.
Self-Test Function	Monthly Inspection	Every 30 days after installation the system will automatically switch to the monthly inspection state. The duration is 35 seconds. If there is no fault it will automatically exit and return to AC mains state.
	Annual Inspection	Every 365 days after installation the system will automatically switch to the annual inspection state. The duration is 30 minutes. If there is no fault it will automatically exit and return to AC mains state.
Fault Detection	Battery Disconnected	1.Battery open-circuit in Mains power status: Green light slowly flashing. Will be auto restored after troubleshooting. 2.Battery open-circuitin Self-test status: Green light fast flashing. Press test button to recover after troubleshooting.

8. Main Features:

Working Voltage	AC 85V-265V	**Battery**	12.8V 4000mAh LiFePO4
Charge Time	≤ 24 hours	**Input Power**	15-300W
Emergency Power	15W	**IP rank**	IP65
Emergency Time	180 minutes	**Working temperature**	-5℃-45℃
Type of lamp	LED Lamp with external driver	**Dimension**	105x91x280 mm

9.Package, shipping and storage

(1) Quantity and specification, please find the signs on packing ;

(2) Check if there are any broken emergency drivers in the carton, and please do not use any broken ones or out-of-shaped ones, found any, DO NOT use them.

(3) If the emergency driver is not used for over 3 months, it should be connected to AC power for full charging and discharging (after charging the battery for 24 hours, then discharge the battery until LED lamp is completely OFF. Then keep the emergency driver work with AC power for 24 hours and put it in dry ventilated places.

Waring: don't open this device without professional instruction if you are not a professional technician. Otherwise, we will not assume any responsibility.