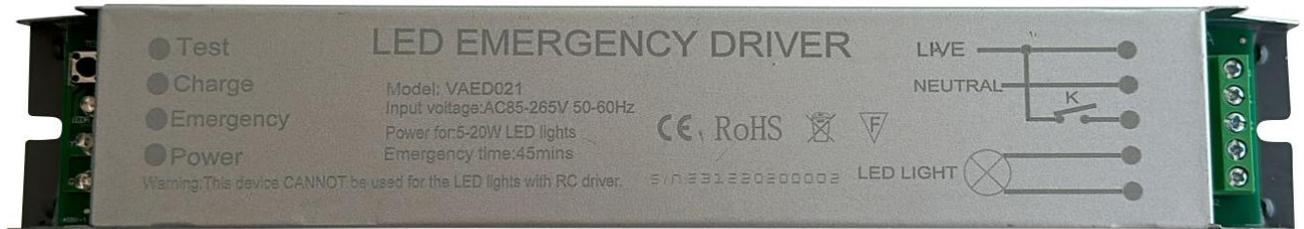

LED EMERGENCY DRIVER DATASHEET

VAED021



1. Product Features

- 5-20W LED emergency driver.
- IP30 protection level.
- Applicable to LED with IC driver.
- Voltage protection: wide voltage input AC 85V-265V.
- Overload protection: power over rated power 20% delay protection.
- Overload protection: timely protection when power exceeds 50% of rated power.
- Short circuit protection and no loading protection
- External test button and three-color LED indicator
- Battery: High capacity 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.
- The SMT technology ensures consistency of excellent performance of each product.
- The emergency driver is small at size, compact in structure, convenient in installation and maintenance.

2. Battery Pack

- High temperature resistant batteries
- 18650 11.1V 2600mAh Lithium-ion battery pack

- Simple plug-in connection

3. Ordering Information

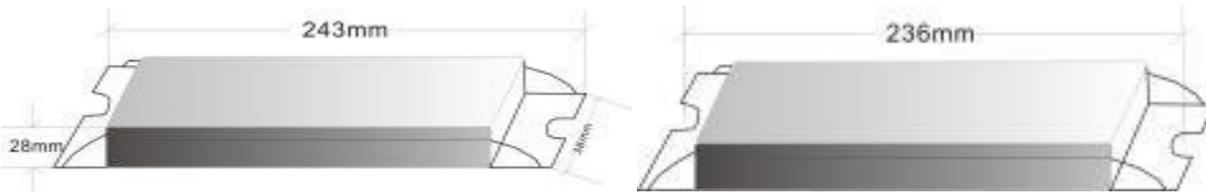
Product Item	FAT-LED-F1B
Light Source Type	Linear Constant Current Light Source
Output Voltage	DC 220V
Output Power	5-20W
Emergency Time	45 minutes
G.W.	18.5 KGS/CTN
Package	1PC/BOX; 50 BOXES/ CTN

4. Electrical Parameters

Product Item	FAT-LED-F1B
Rated Voltage	AC 85-265V
Rated Frequency	50/60 Hz
Power Factor	≥0.95 (≥75%load)
Input Power	25W (Not including charging power)
Conversion Efficiency	≥90%
Charging Power	Max 10W
Charging Current	Max 500mA
Battery Voltage	11.1V (lithium-ion battery)
Battery Type	Li-ion
Conversion Time	≤ 0.05S
Charging Time	≤ 24h
Emergency Time	45 minutes
Output Voltage	DC 220V±5%
Output Current	0.05-0.2A
Output Power	5-20 W (MAX:25W)
Emergency Output	Main Output 100%
Overcharge Protection	≥24.50±0.1V Enter the Balanced Charging Mode from the Back, 25.50±0.1V Cut-off charging
Over Discharge Protection	8.25±0.1V
Short Circuit Protection	Current Limited Output, Automatic Recovery after Short Circuit Removal
Open Circuit Protection	Constant voltage output, shut down system after 2 seconds in emergency condition
Overheat Protection	≥100±10°C , Automatic recovery after cooling
Ambient Temperature	-25-50°C

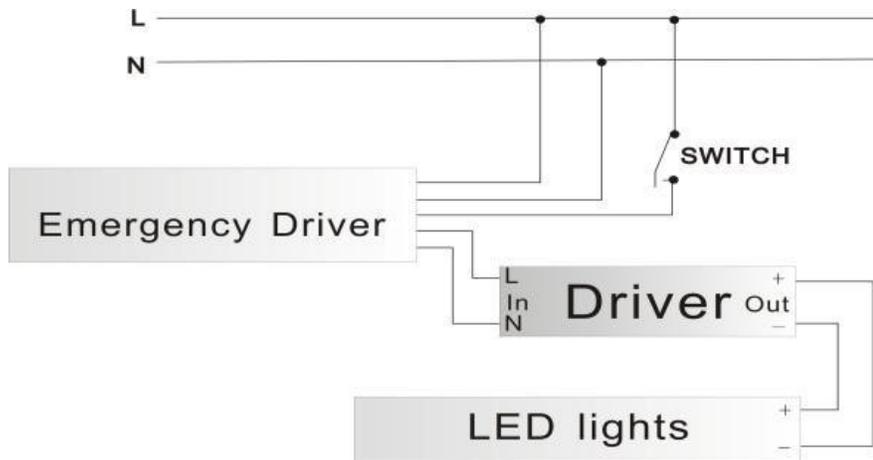
Shell Temperature	≤80°C
Storage Temperature	-25—50°C
Protection Level	IP30
Leakage Current	≤0.5mA
Remark	If you have any other requests, please contact us for instructions.

5. Appearance Size (Unit: mm)

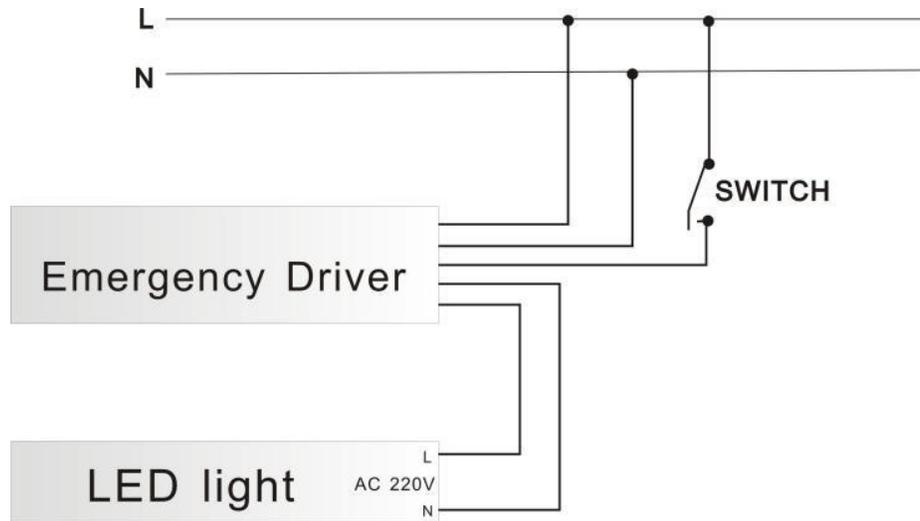


6. Installation Wiring

(1). for the LED light with external drivers



(2) . for the LED light with internal drivers



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.

8. Main Features:

Working voltage	AC 85V-265V	Battery	11.1V Li-ion	IP rank	IP30
Changing time of emergency	$\leq 2s$	AC fuse	5A 250V	Luminous flux	$\geq 1000LM$
Output power while emergency	5-20W	DC fuse	1A 50V	Type of lamp	LED Lamp
Emergency time	180-60 minutes	Working temperature	-10°C-50°C	Size	242*40*28 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, if 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.

Strong Reminder: If you are not professional technician, for your safety, DO NOT operate this device, DO NOT open this device.

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