

Model: AV0101JQL-E

Product Picture



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.
- Certification: CE, RoHS

2. Battery Pack

- High temperature resistant batteries
- 18650 11.1V 2600mAh Lithium-ion battery pack
- Simple plug-in connection

3. Ordering Information

Product Item	AV0101JQL-E
Light Source Type	LED lamps
Output Voltage	DC 220V
Lamp Power	5-20W (Maximum 25W)
Emergency Time	180-60 minutes
G.W.	18.5 KGS/CTN
Package	1PC/BOX ; 50 BOXES/ CTN

4. Electrical Parameters

Product Item	AV0101JQL-E
Rated Voltage	AC 85-265V
Rated Frequency	50/60 Hz
Power Factor	≥0.95 (≥75%load)
Input Power	5-20W
Conversion Efficiency	≥90%
Charging Power	Max 10W
Charging Current	Max 500mA
Battery Voltage/Capacity	11.1V 2600mAh
Battery Type	Li-ion
Conversion Time	≤ 0.05S

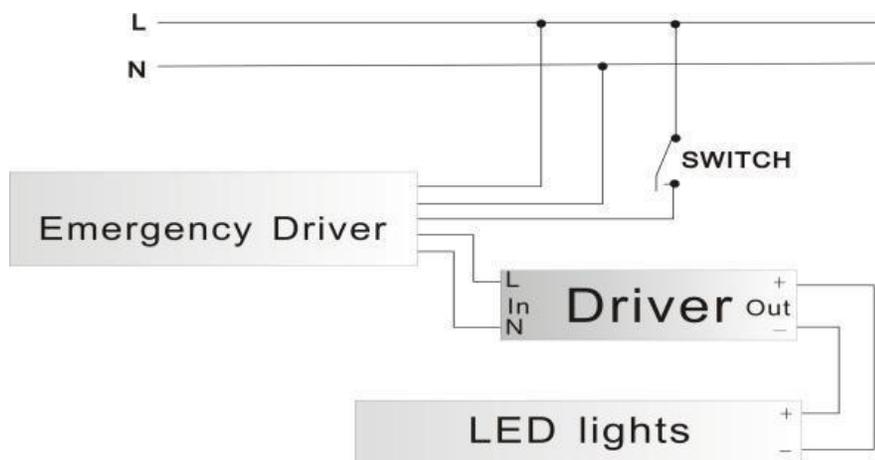
Charging Time	≤ 24h
Emergency Time	180-60 minutes
Output Voltage	DC 220V±5%
Output Current	0.05-0.2A
Emergency Power	5-20 W
Emergency Output	Main Output 100%
Overcharge Protection	≥ 24.50 ± 0.1V Enter the Balanced Charging Mode from the Back, 25.50±0.1V Cut-off charging
Over Discharge Protection	8.25±0.1V
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)

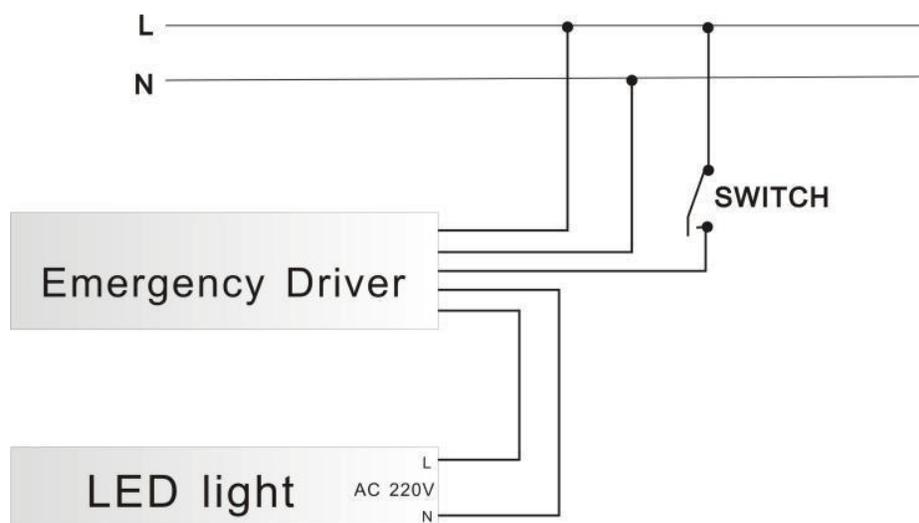


6. Installation Wiring

(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.

Meaning of the indicator color:

Green-main power status; Blue-emergency status; Red-charging status

8. Main Features:

Working voltage	AC 85V-265V	Battery	11.1V 2600mAH Li-ion	IP rank	IP30
Changing time of emergency	$\leq 2s$	AC fuse	5A 250V	Emergency power	5-20W
Lamp power	5-20W	DC fuse	1A 50V	Type of lamp	LED Lamp
Emergency time	180-60 minutes	Working temperature	-10°C-50°C	Size	242x40x28 mm

NOTICE:

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

- Before commencing installation or servicing, turn off and isolate the circuit to be worked on by removing the fuse or switching the circuit breaker off at the distribution board.
- This product is suitable for connection to a 180-240Vac 50/60Hz supply.
- The emergency fitting is not suitable for use on a battery supply, trickle or intermittent re-charging circuit.
- The emergency fitting is not protected against supply voltage polarity reversal.
- The recharging device will recharge the battery normally after removal of a battery short-circuit.
- When cutting holes, drilling or screwing take care not to damage existing wiring or pipework.

STOARGE

If the emergency driver is not used for over 3 months, it should be connected to AC power for full charging and discharging (until LED lamp is completely off). Then keeping the emergency driver on main power for 24 hours and put it in dry ventilated place.



The Waste Electrical & Electronic Equipment regulations (WEEE) requires that products bearing this symbol must not be disposed of with household waste as they may contain substances harmful to the environment. The local authority can provide advice on recycling.