

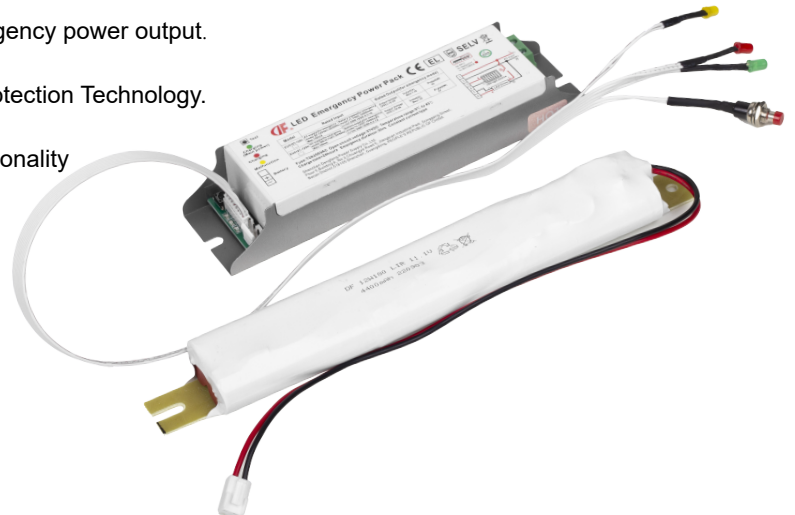
# LED EMERGENCY POWER PACK



www.df-emergency.com  
www.df-led.com

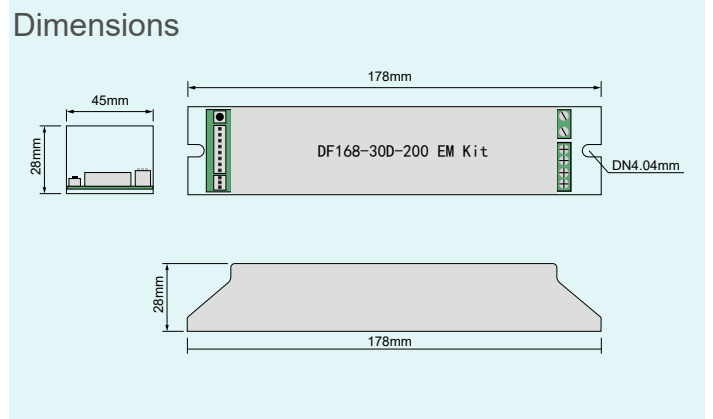
## 1 DF168-30D-200

- TUV certificate approval
- Maximum work on 200W lamps and have 4.5W~24W emergency power output.
- Battery Smart Charging Technology and deep-discharge protection Technology.
- Emergency lighting LED Driver with automatic selftest functionality
- SELV for output voltage < 200 V DC
- 3 Color Emergency Function Indicators.
- 5 years warranty(3 years for the battery).

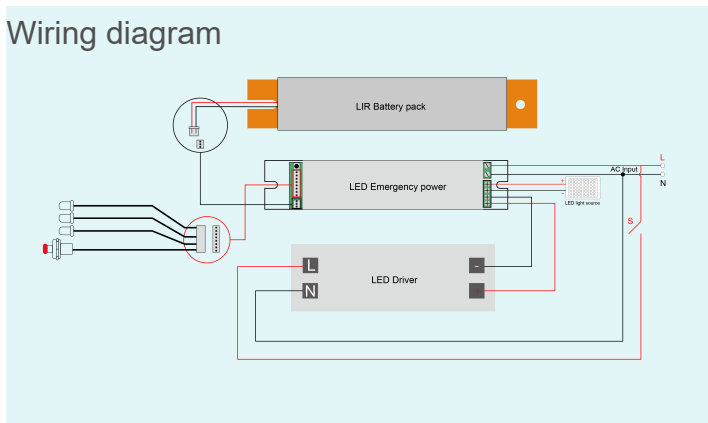


## 2 Product Description

Type of lamp	LED light Max 200
Emergency Pack	DF168-30D-200
Input	AC120-277V/50-60HZ
Battery Pack	LiFePO4 12.8V 3000mAh
Output	DC 200V Max.
Weight	700g
Inverter size	178*45*35mm
Battery size	160*42*21mm
Packing specification	The carton size: 47*33*10mm; 10pieces/carton



## 3 Emergency lighting parameters



Emergency power	20± 2 W
Charging time	≥30 hours
Duration time	≥90 mins
Conversion efficiency	≥80%
Power factor	≥90%
Emergency switching time	≤ 1S
Lighting system	continuous
The design life	5 years
The warranty time	5 years (3 years for the battery)
Temperature range	-10±50 C
Humidity range	65%±20%
Certification	UL

## 4

### The installation and operation instruction

- 1— Connect Live Wire TL+ LED external driver live wire input. This line can set a wall switch S. Switch line and Live wire must Keep with the phase. The wall switch only controls the main power, no function one emergency lighting.
- 2— Connect the null line N+LED external driver null line input
- 3— light source's negative
- 4— Light positive
- 5—LED driver's output negative
- 6—LED driver's output positive

## 5

### Notes:

- (1) This product should be installed by trained electricians. Forbid connecting wires when power is on, make power on after make sure that there is no phenomenon of short circuit and the correction is ok.
- (2) Main power line: Live wire TL and null line N, connect to main power line directly. no switch can be allowed when emergency lighting. the law forbids the switch control emergency circuit.
- (3) The wall switch only controls the main power, no function on emergency lighting. The Switch live wire SL and charging live wire TL should be in the same phase
- (4) The wall switch only controls the main power, no function on emergency lighting. The Switch live wire SL and charging live wire TL should be in the same phase
- (5) Emergency lighting condition, three-color light is all out;
- (6) Digital circuits, self-test function (monthly inspection, annual inspection), fault or automatic alarm function cause by illegal operation.
- (7) You should connect the led lamp and charge the emergency pack before use. In order to avoid emergency lighting function failure.
- (8) The environment temperature of Emergency pack ranges from minus ten degrees centigrade to 50 degrees centigrade. High-temperature aging test is forbidden.
- (9) Frequently test is prohibited . Each test interval is not less than one minute.
- (10) Emergency movement is the core device which controls the battery charge or discharge and start the lighting when under emergency must ensure the wiring is correct. After under normal use, need to discharge once every three months for battery conservation and extend the battery life. Emergency lighting power installed and put into use, need to regularly check, maintain, examine and repair when discover the abnormal condition, or inform the supplier to deal with.
- (11) Any problem, contact the manufacturer or supplier pls.

composition : Luo Qiang

Approver: Wang Chunfang

Customer Approver :