

# User Guide

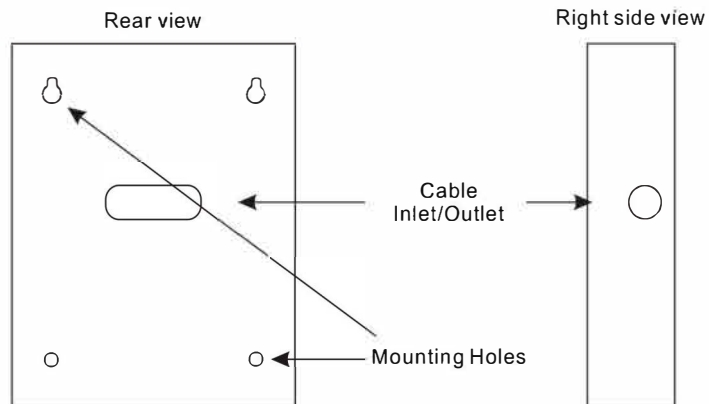
Model : SP-12V-3A

12V DC 3AMP SWITCH MODE UNINTERRUPTIBLE POWER SUPPLY

- Read carefully this user guide before activating and using.
- Use this equipment only for an indoor adapted application.
- Mounting, maintenance and repair must be carried on by a skilled and authorized staff.
- The activation is easy, but a correct handling and an appropriate maintenance are mandatory to keep the power supply working perfectly.

## Mounting

The UPS must be mounted firmly and securely.

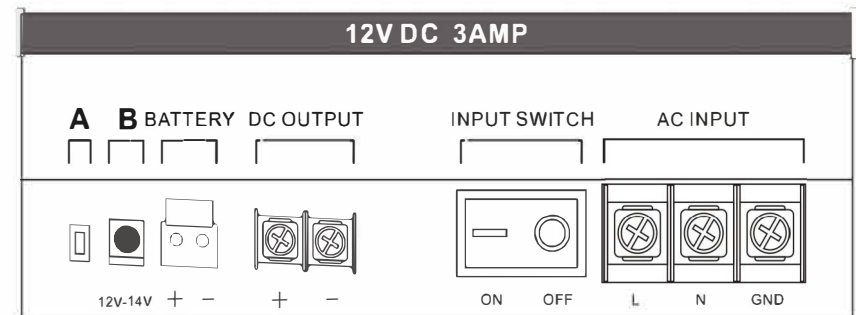


## LED description

- ① Red ● AC POWER
- ② Green ● DC OUTPUT
- ③ Amber ● BATTERY CHARGE
- ④ Red ● BATTERY LOW VOLTAGE

Situation	① Red	② Green	● Amber	④ Red
Battery in charging	on	on	flash	off
Battery in full charged	on	on	on	off
No AC, V-battery > 11±0.3V	off	on	on	off
No AC, 10±0.3V < V-battery < 11±0.3V	off	on	on	on
No AC, V-battery < 10±0.3V	off	off	off	off

## Terminal description



### A: BATTERY ACTIVATION SWITCH

\*Before connecting to AC power for the first time, this switch can be used for activating battery; After connecting to AC power, battery will be activated automatically in each AC power failure, without pushing this switch.

### B: ADJUSTABLE OUTPUT VOLTAGE

\*Based on the premise that the load can work normally, output voltage regulation is suggested between 13.8V to 14.0V. Battery can be fully charge and prolong the service life under this situation.

## Main specification

AC supply: 100-240V AC 50/60Hz  
 Output voltage --  
 on mains power: 12.0V-14.0V DC adjustable  
 on battery standby: 10.0V-12.5V DC  
 Max. Output current: 3.0Amp  
 Max. Charge current: 0.8Amp  
 Recommended battery: 12V, 7Ah  
 Operation temperature: -20~+45 Degree Celsius  
 Humidity: Up to 90% non-Condensing

## Protection

Over-voltage protection  
 Over-current protection  
 Short circuit protection  
 Over charge protection  
 Over discharge protection  
 Self-recovery when fault condition remove

## Caution

- Make sure the power supply input voltage and the local grid voltage matching before using.
- The UPS is to be installed in a controlled environment, make sure the power supply is well ventilated.
- It is mandatory to ground the power supply.
- Improper storage and installation environment may deteriorate insulation, shorten components life and cause malfunctions.

**Distributor: Stonehouse Security AB**

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