

## PS1A12VS - PS2A12VS - PS3A12VS - PS5A12VS

### Protection

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

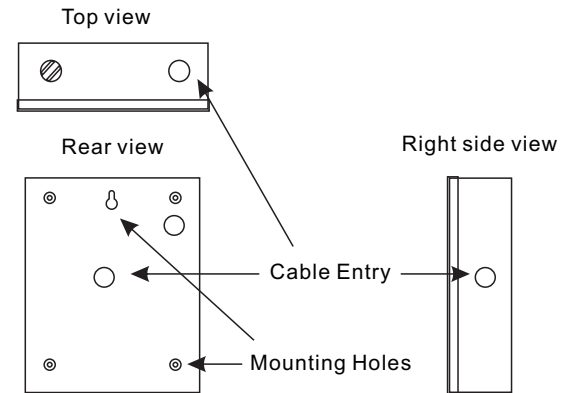
### Caution

- 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.
- Only suited for permanently powered systems.
- Make sure the power supply is well ventilated.
- It is mandatory to ground the power supply.
- Use 2,5 mm<sup>2</sup> gauge cable.
- Improper storage and installation environment may deteriorate insulation, shorten components life and cause malfunctions.

- 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

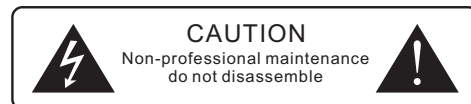
The UPS must be mounted firmly and securely.



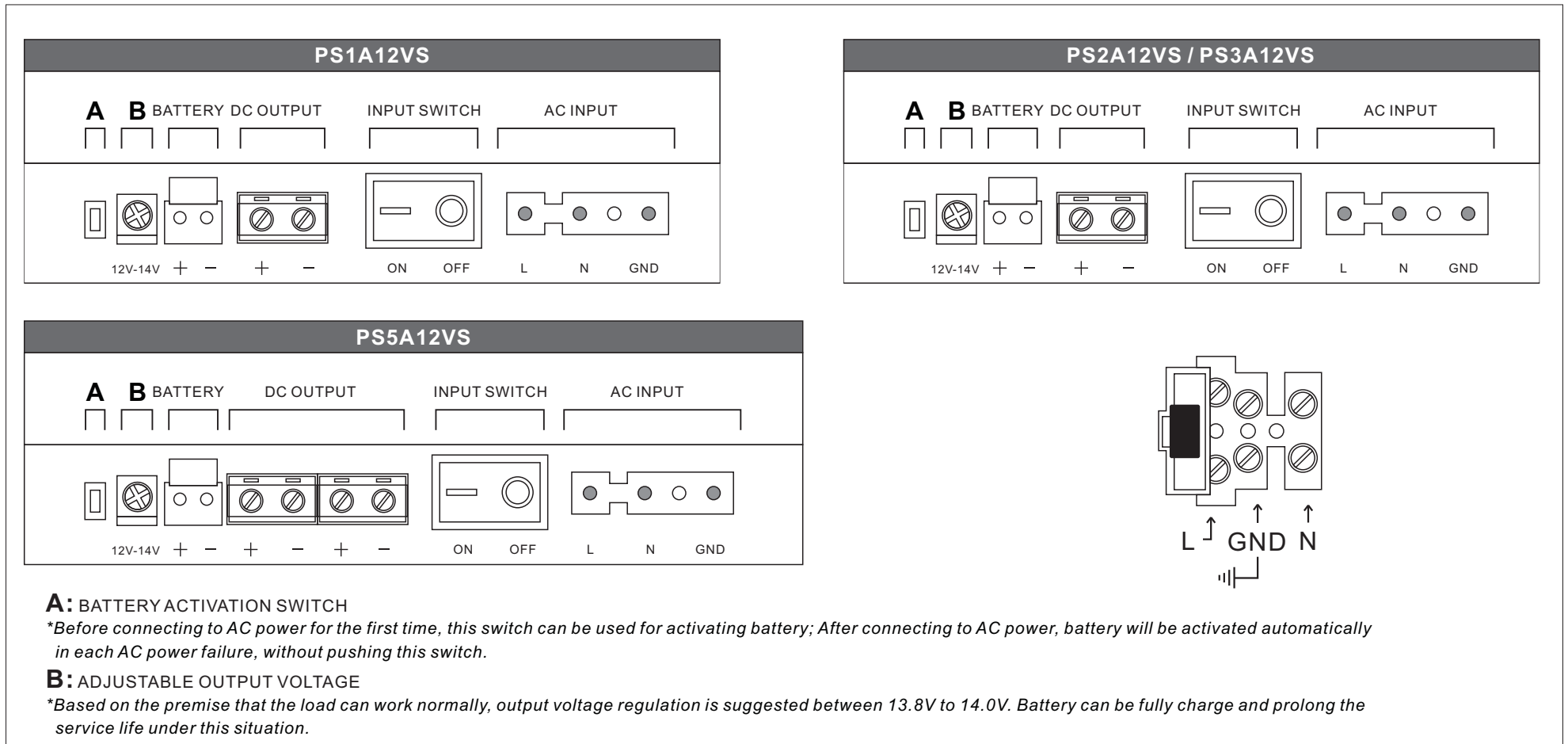
### LED description

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

Situation	① RED	② GREEN	③ 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



## Main specification

	PSU12-1SM	PSU12-2SM	PSU12-3SM
<b>AC supply:</b>	100-240 V ac 50/60Hz	100-240 V ac 50/60Hz	100-240 V ac 50/60Hz
<b>Output voltage - on mains power:</b>	12.0-14.0 V dc adjustable	12.0-14.0 V dc adjustable	12.0-14.0 V dc adjustable
<b>Output voltage - on battery standby:</b>	10.0-12.5 V dc	10.0-12.5 V dc	10.0-12.5 V dc
<b>Max. output current:</b>	1.0A	2.0A	3.0A
<b>Max. charge current:</b>	0.8A	0.8A	0.8A
<b>Battery compartment:</b>	7Ah/12V	7Ah/12V	7Ah/12V
<b>Operation temperature:</b>	-20~+45 Degree Celsius		
<b>Humidity:</b>	Up to 90% non-Condensing		