

PS1A12VL - PS3A12VL - PS5A12VL - PS10A12VL

Protection

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

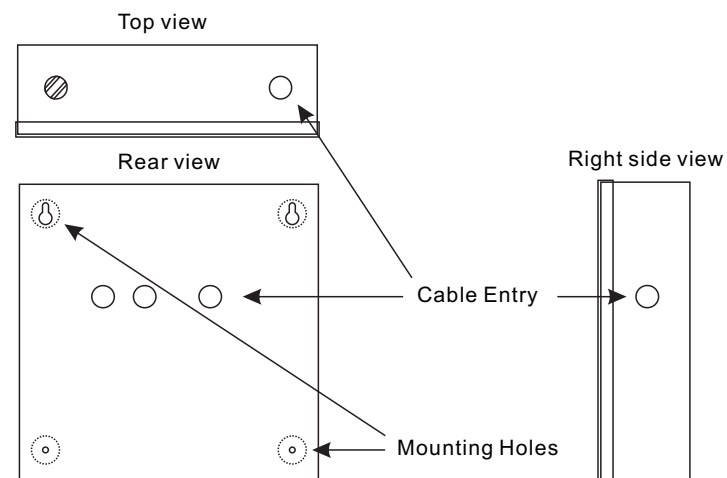
Caution

- 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 mm² 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

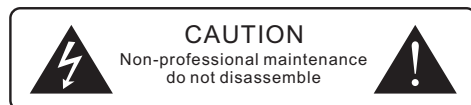
The UPS must be mounted firmly and securely.



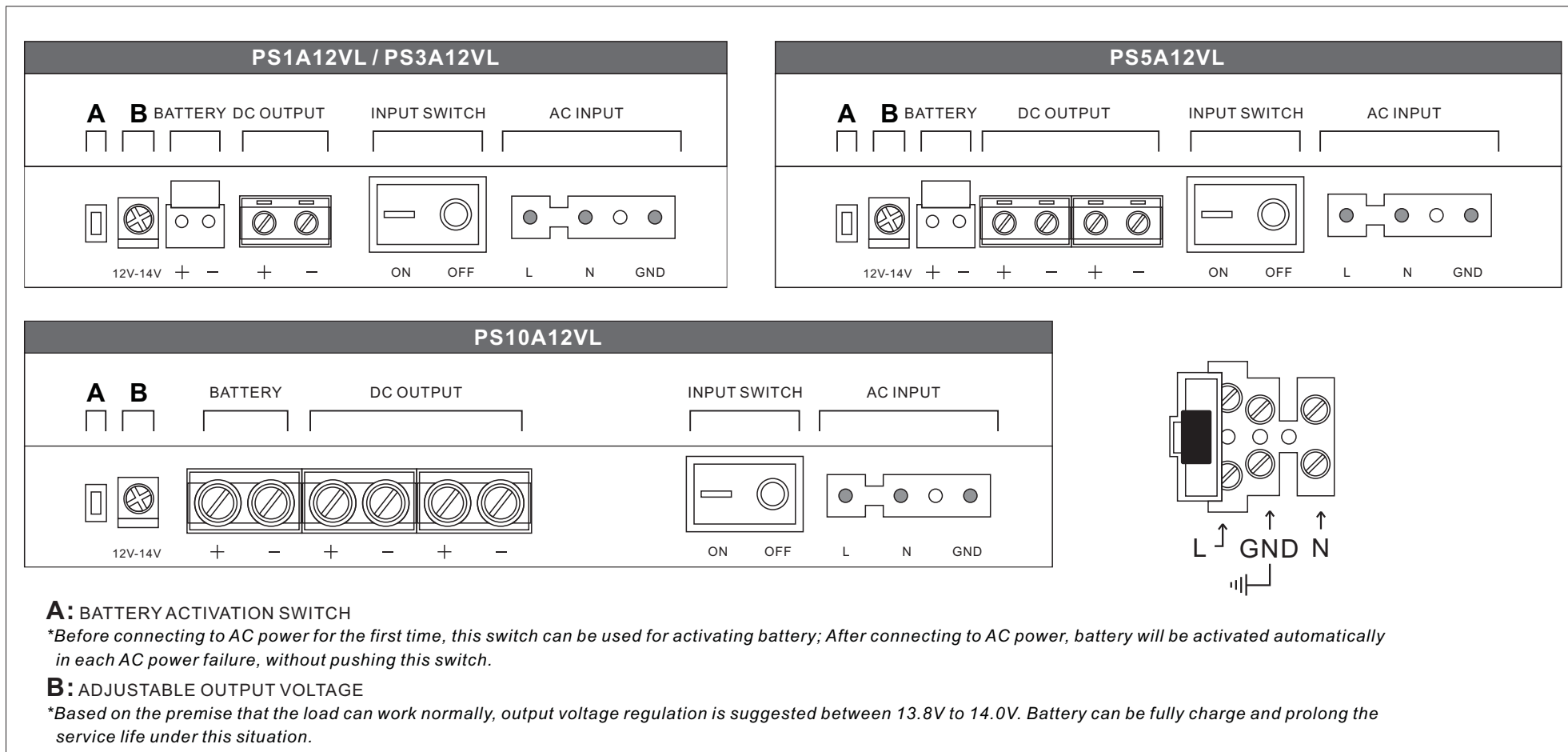
LED description

- 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

| | PSU12-1LSM | PSU12-3LSM | PSU12-5LSM | PS10A12VL |
|---|---------------------------|---------------------------|---------------------------|---------------------------|
| AC supply: | 100-240 V ac 50/60Hz | 100-240 V ac 50/60Hz | 100-240 V ac 50/60Hz | 190-240 V ac 50/60Hz |
| Output voltage - on mains power: | 12.0-14.0 V dc adjustable | 12.0-14.0 V dc adjustable | 12.0-14.0 V dc adjustable | 12.0-14.0 V dc adjustable |
| Output voltage - on battery standby: | 10.0-12.5 V dc | 10.0-12.5 V dc | 10.0-12.5 V dc | 10.0-12.5 V dc |
| Max. output current: | 1.0A | 3.0A | 5.0A | 10.0A |
| Max. charge current: | 0.8A | 0.8A | 0.8A | 1.8A |
| Battery compartment: | 17Ah/12V | 17Ah/12V | 17Ah/12V | 17Ah/12V |
| Operation temperature: | -20~+45 Degree Celsius | | | |
| Humidity: | Up to 90% non-Condensing | | | |