

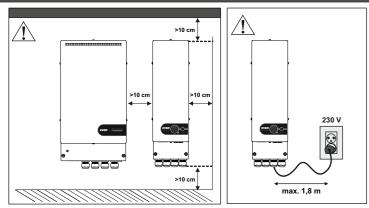


UPS EVER SPECLINE AVR 700

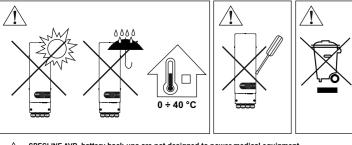
QUICK REFERENCE GUIDE

Note: to obtain detailed information, please read the full instruction manual, which can be downloaded from our website **www.ever.eu.**

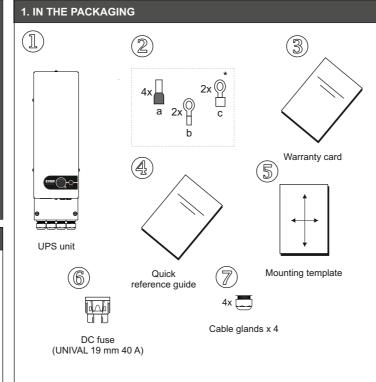
2. ADDITIONAL REMARKS







SPECLINE AVR battery back-ups are not designed to power medical equipment, in particular life support machines! (5)**ECLINE AVR BATTERY MODULE** 1 - Connectors chamber 2 - Cable glands 3 - Battery module earthing point 4 - Battery module installation brackets



a) insulated sleeve terminal for 1.0 mm² conductor, 8 mm long for the power supply and output cord

- b) M4 ring terminal for 1.0 mm² conductor for connecting the PE IN and PE OUT wires.
- c) M4 ring terminal for 10 mm² conductor
- for connecting a battery module or a car battery.

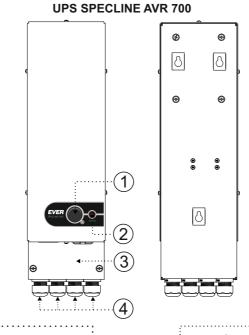
3. ELEMENTS OF THE UPS AND BATTERY MODULE

(3)

(2)

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5 - DC fuse sockets



1 - Main switch

2 - Signaling LED

4 - Cable glands

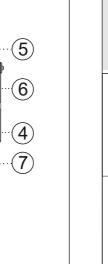
point

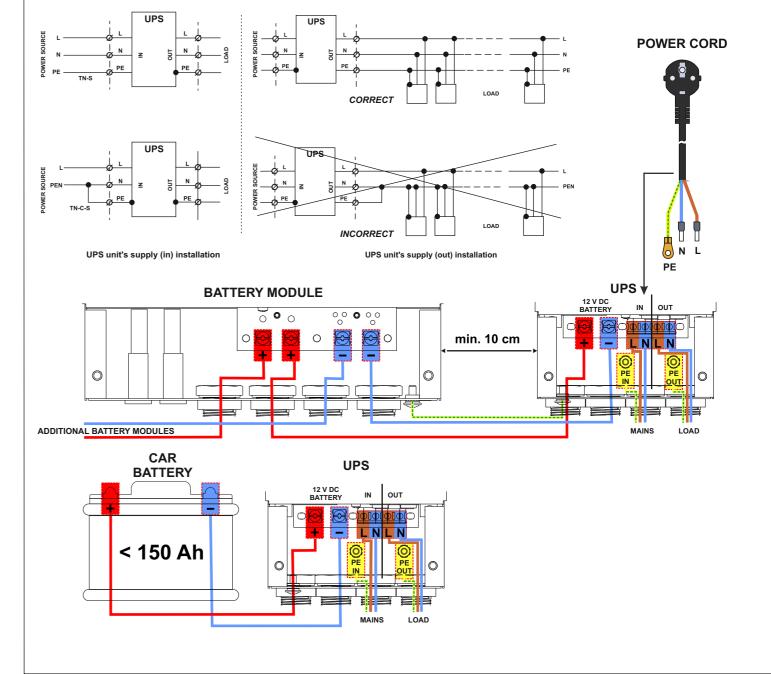
3 - Connectors chamber

5 - DC fuse socket (battery)

8 - SPECLINE AVR battery module earthing

6 - AC fuse socket (mains) 7 – Installation brackets







SPECLINE AVR 700 UPS units have no built-in batteries - an external battery module or a lead-acid car battery should be connected to provide back-up power supply.



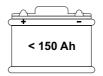
- 1. To connect the UPS to the mains, attach the ends of the power cord to the terminals (L, N, PE) of the INPUT connector. The power cord is not included.
- 2. To make sure the UPS and the connected devices operate properly, the N (neutral) conductor must be continuous. 3. To connect the secured device to the UPS, connect the ends of the individual conductors to the terminals (L, N, PE) of the OUTPUT connector.
- 4. The power cords of the UPS and the protected device must be secured against unintended and sudden removal by attaching cable glands. The connections must be made with 1 mm2 section wires. The terminals of the wires (L, N) should end with sleeves and the terminal of the PE wire should end with an M4 ring terminal for 1 mm² wires.
- 5. The distance between the UPS and the battery modules or the car battery should be as low as possible. This allows to use shorter connection cables, which greatly reduces power losses in the cables



4. INSTALLATION OF THE UPS

CONNECTING THE BATTERY MODULES

- 1-3 42 Ah battery modules can be connected to the UPS. The connections should be made with 10 mm² section wire.
- Both the module and the UPS are delivered with fuses. The DC fuses should be removed from their sockets for transportation and installation. They should only be installed after completing all connection steps.
- A protective earthing connection should be made between the battery module and the UPS, with a yellow-green wire. The ends of the wire should have M4 ring terminals for 1 mm² wire.

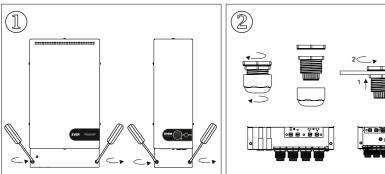


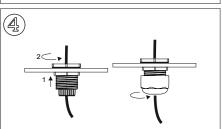
CONNECTING THE CAR BATTERY

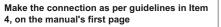
- A 12 V lead-acid car battery rated up to 150 Ah may be connected to the PSU.
- 10 mm² section wires should be used to make the connection.
- · Mistakenly connecting an excessively high voltage or using a power source with wrong polarity may result in the need to return the UPS to the
- Special attention must be paid to the polarity of connection (the battery's plus connection with the UPS unit's plus connection, the battery's minus connection with the UPS unit's minus connection).

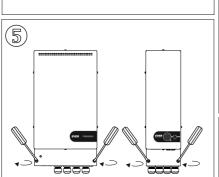


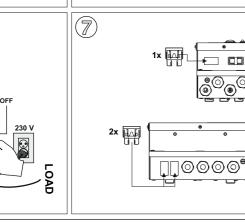
CAUTION: Make sure the device is off before commencing installation.

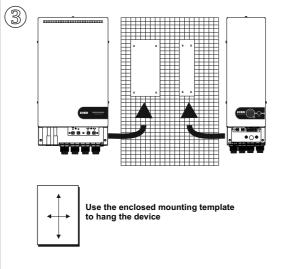


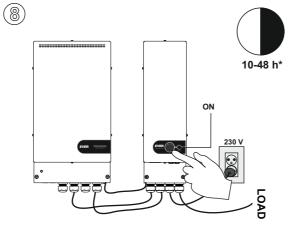










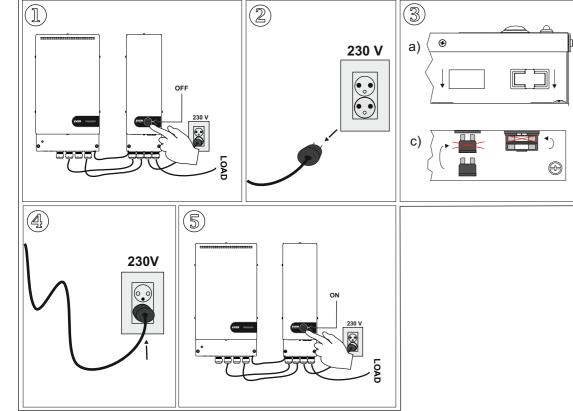


* The batteries will be charged after 10-48 hrs (depending on their capacity and charge level), which will be properly signaled by the LED light.

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6. REPLACING A FUSE

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7. AUDIO & VISUAL SIGNALS INDICATING THE UPS UNIT'S VARIOUS OPERATING MODES

Event	Sound signal	Visual signal
MAINS (normal) mode	No sound signal.	Green LED on.
BACK-UP (battery) mode	Intermittent signal; frequency increases proportionally to the level of discharging of the batteries, until it turns into a continuous sound.	Amber LED on.
Battery charging	No sound signal.	Green LED is pulsating (2250 ms ON / 250 ms OFF).
Overload *	Continuous sound signal.	The LED corresponding to the current operating mode (mains or back-up) is on.
Short circuit in the UPS output	Quick intermittent signal.	Red LED on.

^{*}The overload signaling time in back-up mode is 30 seconds. Afterwards, the UPS switches to emergency mode and signals it with a continuous sound signal and the red LED on.

8. CONTACT



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