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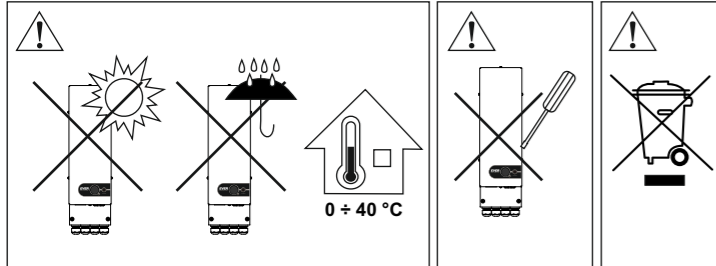
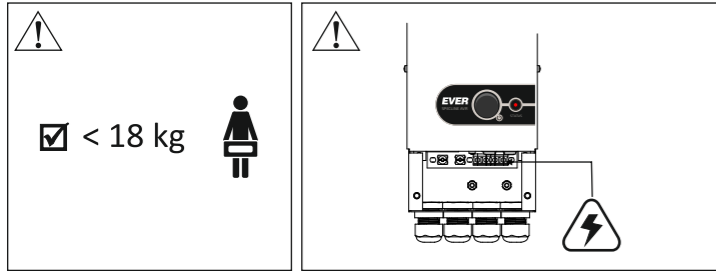
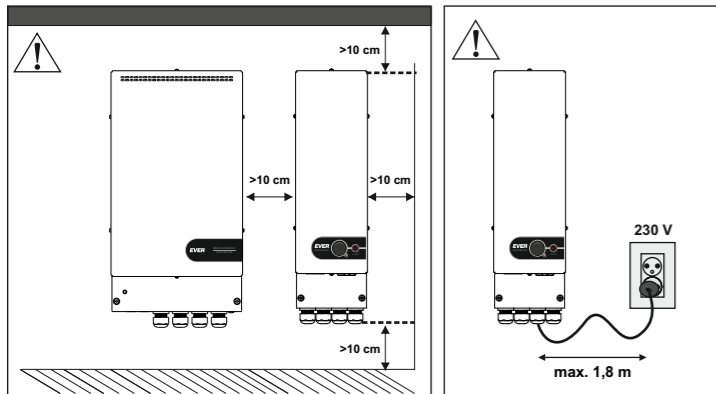
**EVER**  
POWER SYSTEMS

# UPS EVER SPECLINE AVR 700

QUICK REFERENCE GUIDE

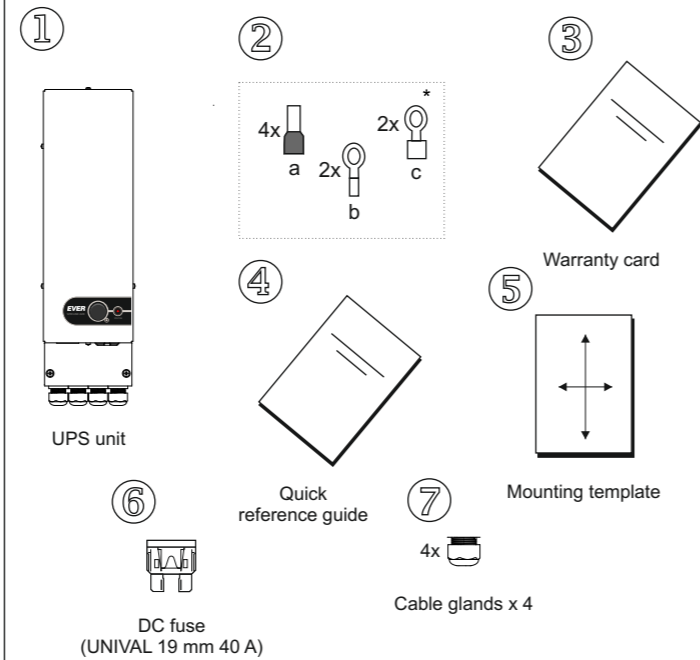
Note: to obtain detailed information, please read the full instruction manual, which can be downloaded from our website [www.ever.eu](http://www.ever.eu).

## 2. ADDITIONAL REMARKS



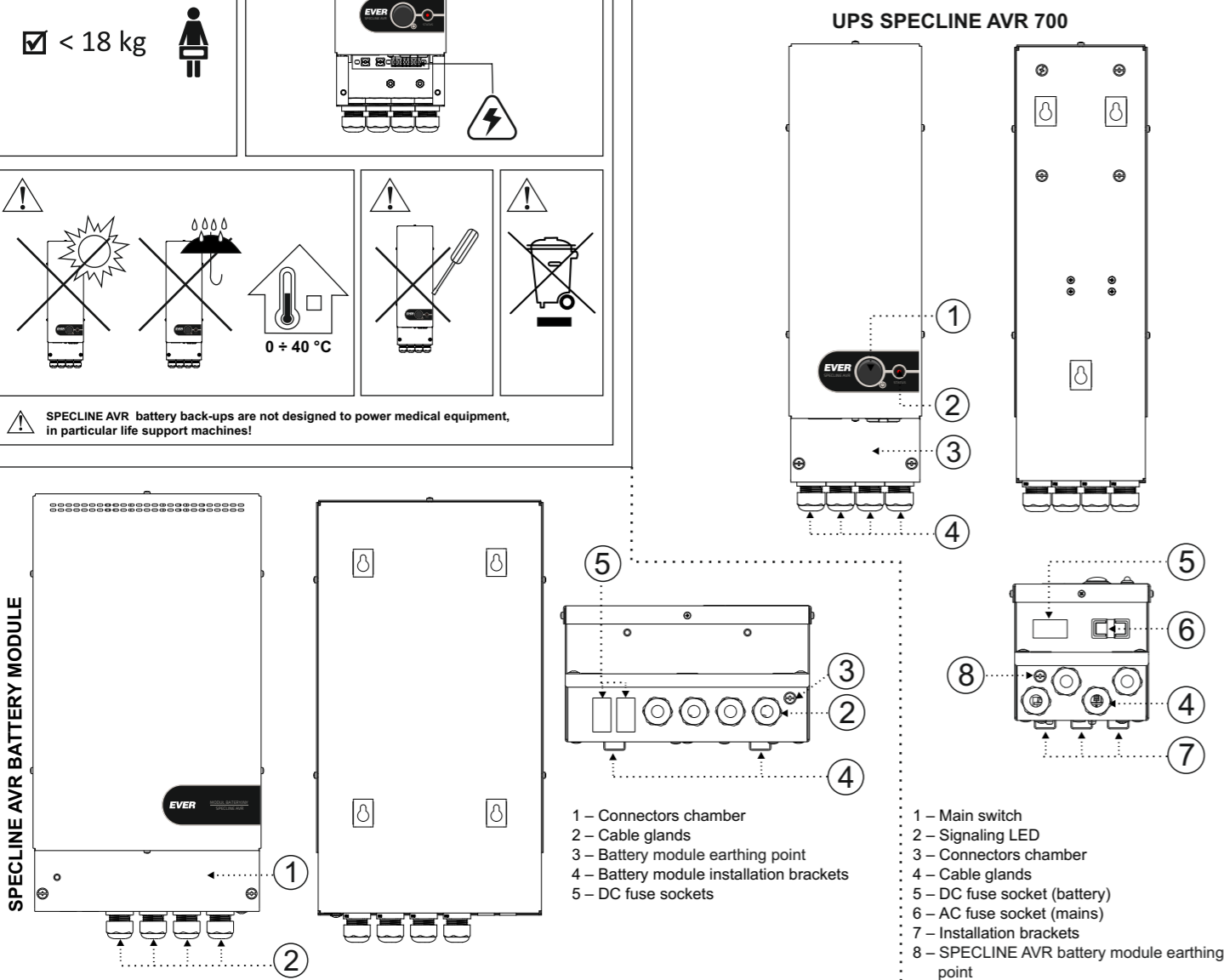
⚠ SPECLINE AVR battery back-ups are not designed to power medical equipment, in particular life support machines!

## 1. IN THE PACKAGING

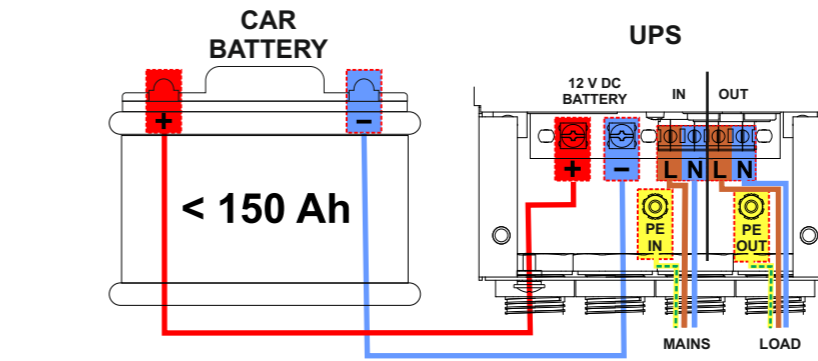
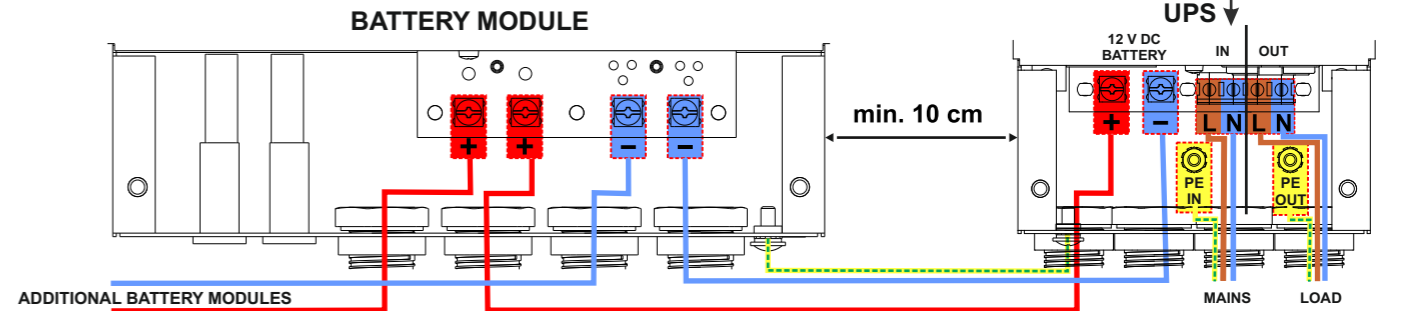
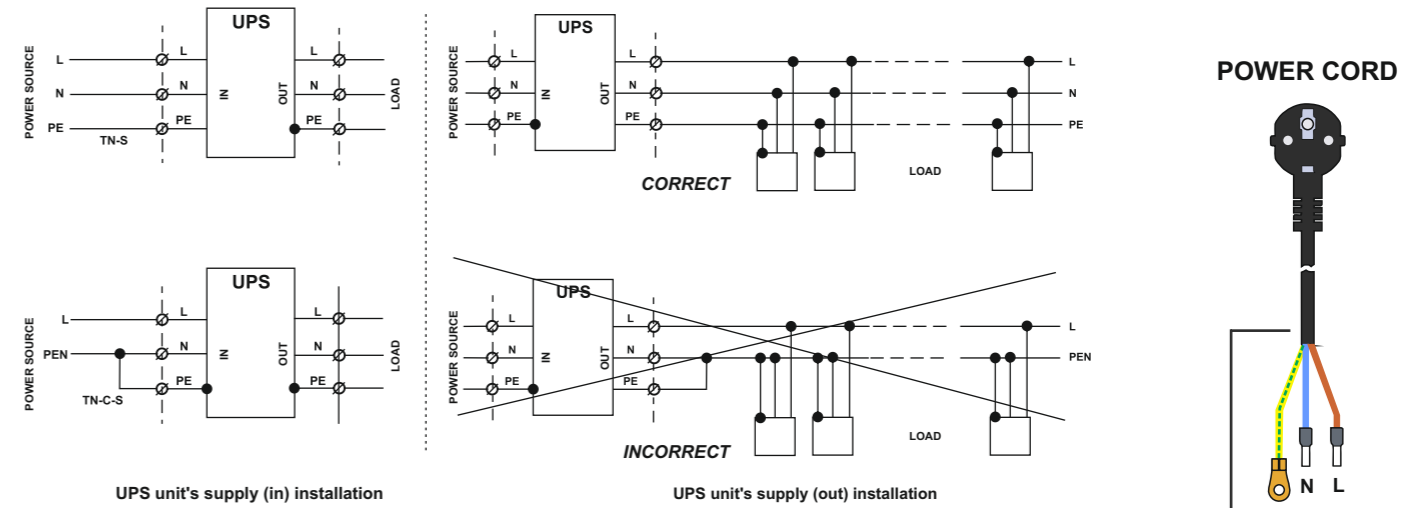


\* a) insulated sleeve terminal for 1.0 mm<sup>2</sup> conductor, 8 mm long  
- for the power supply and output cord  
b) M4 ring terminal for 1.0 mm<sup>2</sup> conductor  
- for connecting the PE IN and PE OUT wires.  
c) M4 ring terminal for 10 mm<sup>2</sup> conductor  
- for connecting a battery module or a car battery.

## 3. ELEMENTS OF THE UPS AND BATTERY MODULE



## 4. INSTALLATION OF THE UPS



⚠ 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.

- 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.
- To make sure the UPS and the connected devices operate properly, the N (neutral) conductor must be continuous.
- 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.
- 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 mm<sup>2</sup> 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 mm<sup>2</sup> wires.
- 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.

### CONNECTING THE BATTERY MODULES

- 1-3 42 Ah battery modules can be connected to the UPS. The connections should be made with 10 mm<sup>2</sup> 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 mm<sup>2</sup> wire.

### CONNECTING THE CAR BATTERY

- A 12 V lead-acid car battery rated up to 150 Ah may be connected to the PSU.
- 10 mm<sup>2</sup> 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 service department.
- 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).

