

BP12-18 Universal back-up power supply

The universal back-up power supply BP12-18 serves for powering the device which needs 12V DC. The PLV-CP-L box is recommended for back-up batteries with capacities of 7 Ah - 18 Ah (a capacity of up to 26 Ah can be used with an external box). The AC status and backup battery status are optically indicated.

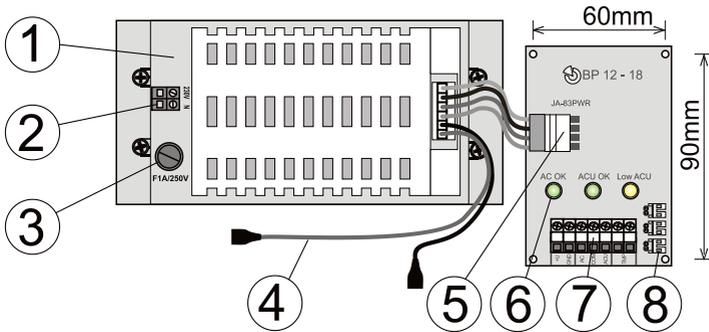


Figure 1 - JA-83PWR transformer, 2- input voltage terminals 230 V, 3 - fuse for AC circuit (1.6 A), 4 - backup battery connector, 5 - link of JA-83PWR to the BP12-18, 6 - indication LEDs, 7 - output voltage terminals, 8 - tamper input connectors (3x)

Installation

Mount the JA-83PWR transformer and BP 12-18 power supply module at the requested place or straight into the PLV-CP-L box. Use the cables from the accessories to connect the module and transformer. Connect the mains to the JA-83PWR transformer. **The power supply can only be installed by a person with an adequate electrotechnical qualification. The power supply has double-insulated circuits. The protective earth conductor is not connected.**

Function

The power supply provides a 12V/2A DC (peak 3A). The power supply module has 3 statuses.

- AC OK – 230V input voltage is connected
- ACU OK – battery is OK (the connected battery has a higher voltage than 10.8 V)
- Low ACU – faulty or disconnected backup battery (battery has a lower voltage than 10.8 V)

Terminal description

+U – Positive voltage output, **GND** – ground, **AC** – Mains (AC) fault indicator output (switched ON – OK, switched OFF Fault), **COM** – common terminal for AC and ACU, **ACU** – **Back-up battery (ACU) fault indicator output** (switched ON – OK, switched OFF Fault), **TMP** – tamper loop output terminal (All tampers are connected in series. If you are going to use just one tamper, the rest of the tampers have to be shorted because the whole loop has to be closed). Output terminals **AC**, **ACU** and **COM** have floating potentials.

Warning – the backup battery comes charged, avoid short-circuiting it! Backup battery is not supplied.

Technical specifications:

Input voltage (JA-83PWR)	230 V, 50 VA, 50 Hz, protection class II
Backup battery	12 V / 7 Ah – 26 Ah
Output voltage	13.5 V DC (backup battery fully loaded/charged), 3 A protection
Output current	continuous 2 A peak 3 A (taken from backup battery)

security grade 3 medium to high risk EN 50131-1, EN 50131-6

environmental class - indoor general EN 50131-1

Operational temperature range

-10 °C to +40 °C

Comply with EN 50130-4, EN 55022



JABLOTRON ALARMS a.s. hereby declares that the BP12-18 is in a compliance with the relevant Union harmonisation legislation: Directives No: 2014/35/EU, 2014/30/EU, 2011/65/EU. The original of the conformity assessment can be found at www.jablotron.com - Section Downloads.



Note: Although this product does not contain any harmful materials we suggest you return the product to the dealer or directly to the producer after use.