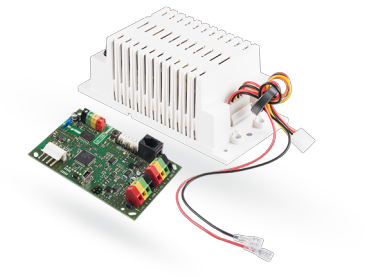
Bus back-up booster unit for JA-100

Code: JA-120Z

Designed for current boosting of the bus, extension of the line length and galvanic isolation of the bus. Output current max. 2A. 2 independent bus output terminal boards - each providing 500 m of bus length.



Product description:

The product is offered as an electronic module with the JA-83PWR power supply unit. We recommend installation in a PLV-CP-L plastic housing. The product is a component of the JABLOTRON 100+ system, is addressable and occupies one position in the system.

- Output current max. 2A
- 2 independent bus output terminal boards - each providing 500 m of bus length
- The galvanic isolation of the output terminals deals with different ground potentials and safety isolation of the bus
- Back-up battery up to 18 Ah

Technical information:

Mains power (the JA-83PWR power supply)	90 – 250 V AC
Input power	50 VA
Fuse	T1.6 A/250 V, 5 x 20 mm
Input part	
Powered from the control panel BUS	12 V DC (9 ... 15 V)
Current consumption	
- in standby mode	10 mA
- for cable choice	10 mA
Output part	
Output voltage	typically 13.7 V DC
Maximum ripple	0.1 Vpp
Maxmum load current	2 A
Galvanically separated	(testing voltage 4 kV)
General	
Back-up battery 12 V	7 – 18 Ah

Back-up battey type	lead, gel
Low battery level	? 10.9 V
Protection againts deep discharging	? 9.7 V
Maximum time for charging back-up battery	< 72 h/80% C for 18 Ah
Weight of module PCB	45 g
Weight of the JA-83PWR power supply	360 g
PCB dimensions	102 x 66 x 14 mm
Power supply dimensions	170 x 80 x 65 mm
PLV-PC-L plastic housing dimensions	357 x 297 x 105 mm PLV-PC-L plastic housing is not supplied!
Classification	security grade 2/environmental class II
Note: valid for only installation into a PLV-CP-L plastic housing or into another box of a security grade 2 or higher certified device.	
- according to	EN 50131-1, EN 50131-6
- environment	general indoor
- operational temperature range	-10 to +40 °C
- operational humidity	75 % RH, non-condensing
- certification body	Trezor Test s.r.o. (no. 3025)
Also complies with	EN 60950-1, EN 50130-4, EN 55022