

NEW PRODUCT



DIN rail 240W DC-UPS CSU series

Model	CSU5-220W/024V/AA
Code	XCSU5220W024VAA
Description	DC-UPS
Input	24 Vdc
Output	12V dc 20A / 24 Vdc 10A
Battery type	1,2...40 Ah VRLA

Main characteristics

The XCSU5220W024VAA device, connected to a power supply, is able, at the same time, to supply the load and to charge a backup battery, in order to assure the service continuities.

When in backup mode (the load is supplied by the battery), the device continuously checks the battery voltage avoiding deep discharging situations.

Furthermore, this device is able to start the loads only with the batteries, therefore without the primary voltage.

This happens thanks to an input of the device where we can connect to an external button.

This product is the technical evolution of the current XCSUPS1 (24Vdc).

Availability

January 2023

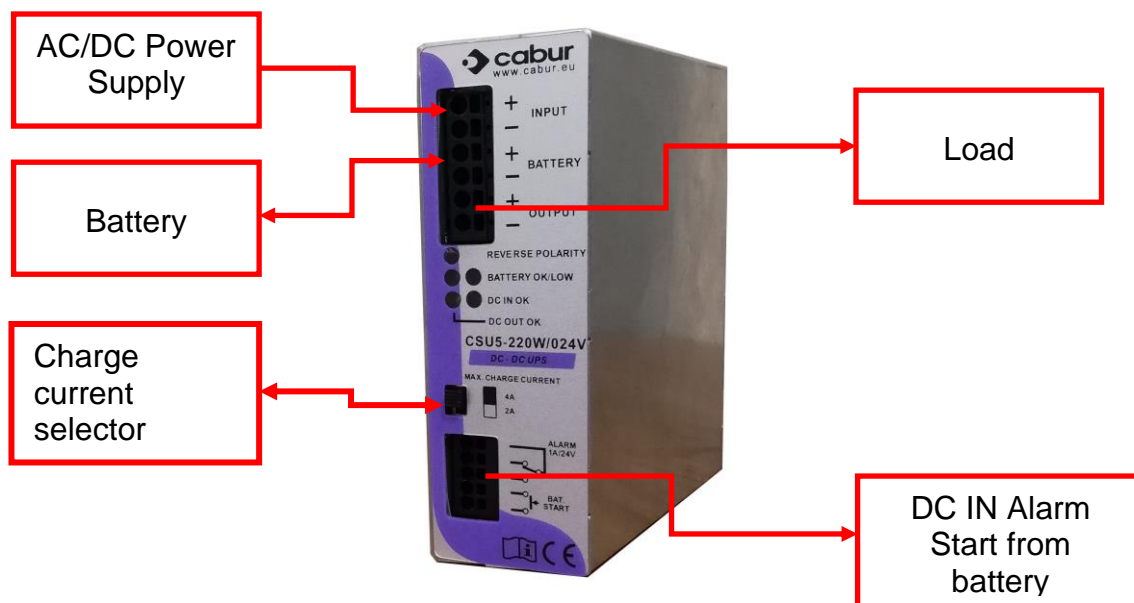
Strengths

- Suitable for 1.2Ah up to 40Ah batteries in normal charge mode
- Switch selector for set the charge current (2A or 4A max)
- Battery start-up mode
- Alarm contact related to the input voltage status
- No software needed
- LED indications about the device status
- Protection fuse against load or battery damages
- Very compact size
- Push-in connection mode, no need tools to install

Applications

- Industrial automation and process control
- Building and home automation
- All the applications where the service continuity must be guaranteed

Application scheme



Technical comparison

Provider	Cabur	Cabur	Notes
Code	XCSU5220W024VAA	XCSUPS1	
Model	CSU5-220W/024V/AA	CS-UPS1	
Immagine	 		

INPUT DATA

Nominal input voltage	Min, 26 Vdc	Min, 26 Vdc	1
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OUTPUT DATA

Nominal output voltage			
- standard mode	25,5 Vdc	25,5 Vdc	1
- battery mode	18...25,5 Vdc	18...25,5 Vdc	
Nominal current	10 A	10 A	
Maximum overload current	14 A	14 A	

BATTERY CHARGER

Battery type	Lead gel	Lead gel	
Battery capacity	10...20 Ah (40 Ah slow charge)	10...20 Ah (40 Ah slow charge)	
Configurable current values	2 or 4 A	2 or 4 A	
Charge mechanisms	Slow	Slow	
Buffer timer	No	No	
Status signals	LED "DC OK", "BATT", "OUT OK"	LED "DC OK", "BATT", "OUT OK"	
Alarm contact	Input voltage status	Input voltage status	
Deep discharge protection	Yes	Yes	

GENERAL DATA

Configuration	DIP-switch	DIP-switch	
Battery start	yes	No	2
Efficiency	88%	88%	
Operating temperature	-20...+60°C	-20...+60°C	
Connection	Push-in terminal blocks 2.5 mm ²	Screw terminal blocks 2.5 mm ²	3
Sizes (WxDxH) in mm	40x110x115 mm	55x130x115 mm	4
Weight	267 g	300 g	

Legenda:

upgrade

downgrade

Notes about the technical comparison:

- 1) the devices require 2-3 V more than the nominal input value to allow a complete battery charge.
- 2) The CSU5-220W allows the battery start mode by means of a monostable switch connected to the dedicated frontal terminals
- 3) The push-in connectors allow a faster installation with no need for tools
- 4) CSU5-220W, thanks to the redesign, it has compact sizes respect the CSUPS1.