

# UNINTERRUPTIBLE POWER SUPPLIES DC/DC UPS ACCESSORY



- Connected to a DC line, allow to supply loads and charge the backup battery
- Suitable for Lead-Acid batteries
- Suitable for power supplies with adjustable output

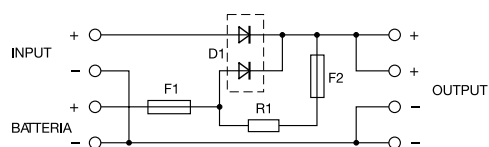


## NOTE

Please refer to the datasheet or operating instruction for more details

In order to complete the charge, the DC output of the power supply must be 2-3V more than nominal voltage of the battery

XCSBC does not prevent deep discharge of the battery



CODE	XCSBC
TYPE	CSBC
INPUT TECHNICAL DATA	
Input rated voltage	12-24 Vdc
Input voltage AC	—
Input voltage DC	6...30 Vdc
Frequency	—
Current consumption	> 3 A
Inrush peak current	—
Power factor	—
Internal protection fuse	—
External protection on AC line	—
OUTPUT TECHNICAL DATA	
Output rated voltage	12-24 Vdc $\pm 1\%$
Output voltage range	$V_{in} - 0.2$ normal operation / $V_{batt} - 0.2$ battery operation (max. 29 Vdc)
Continuous current	10 A at 45°C
Battery safety fuse	Fuse: 6.3 A replaceable
Status indication	—
Alarm contact	—
Battery type	Lead-Acid
Battery capacity	max. 4 Ah [12 Vdc] / max. 10 Ah [24 Vdc]
Charging current	0.5 A [12 Vdc] / 1 A [24 Vdc]
Battery disconnection voltage	function not present
Protections	short-circuit / battery overload
GENERAL TECHNICAL DATA	
Efficiency	88%
Dissipated power	7.5 W [12 Vdc] 15 W [24 Vdc]
Operating temperature range	-20...+50°C
Input / output isolation	—
Input / ground isolation	—
Output / ground isolation	—
Standard / approvals	—
EMC Standards	—
Overvoltage category / Pollution degree	II / 2
Protection degree	IP 00
Connection terminal IN/OUT	2.5 mm <sup>2</sup> / 2.5 mm128
Housing material	UL94V-0 plastic
Dimension	26x80x93 mm
Approximate weight	80 g
Mounting information	vertical on a rail, 10 mm from adjacent components
APPROVALS	CE
ACCESSORIES	
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail (IEC60715/TH35-15)	PR/3/PP, PR/3/PP/ZB, PR/3/PA, PR/3/PA/ZB
Marking tag	

## APPLICATIONS

### 1. Battery charger

This module enables Cabur power supplies to charge a battery while simultaneously powering the load.

The diodes effectively block the power supply from the battery, the resistor limits the load current to prevent power supply safety cut-off and prolonging the life of the battery, and fuse F1 protects the battery in the event of a short-circuit on the load.

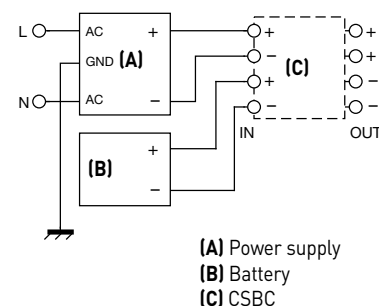
The connection occurs as shown below.

### 2. Placing power supplies in parallel

This module can be used to put two power supplies without a blocking diode in parallel, eliminating the need for fuse F2 in series with the charging current limiting resistor.

The connection occurs as shown below.

### 1. Battery charger



### 2. Placing power supplies in parallel

