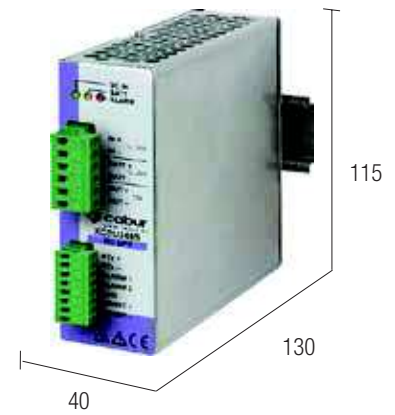


Accessory for charging and checking buffer batteries



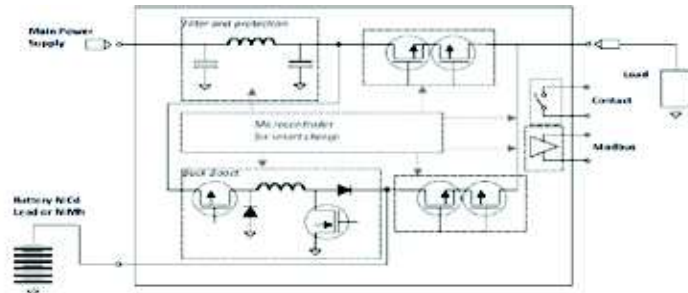
- Power supply connection, supplies energy to the load and maintains the backup battery
- Suitable for Lead-Acid, NiMH and Ni-Cd batteries
- 12 V or 24 V battery voltages with a load current of up to 10 A
- High efficiency and low consumption
- Small size



NOTES

(1) Programmable

BLOCK DIAGRAM



VERSIONS

Code XCSU240S

INPUT TECHNICAL DATA

Power supply input voltage
Maximum input current

OUTPUT TECHNICAL DATA

Load voltage
Load current
Status display

TECHNICAL DATA BATTERIES

Battery type
Battery nominal voltage
Maximum load current
Nominal capacity range
Backup lag time
Protections

GENERAL TECHNICAL DATA

Efficiency
Dissipated power
Operating temperature range
Input/output isolation
Input/PE isolation
Output/PE isolation
Safety standards
Electromagnetic compatibility
MTBF at 25°C and nominal ratings
Overvoltage category / Pollution degree
Protection degree
Connection type
Housing material
Approximate weight
Mounting information

MOUNTING ACCESSORIES

Mounting rail type according to IEC60715/TH35-7.5
Mounting rail type according to IEC60715/G32

Code XCSU240S

CSU240S

12-24 Vdc (range 11... 30 Vdc)

10 A

12-24 Vdc (1)

10A max at 20°C / 9A max at 45°C
Normal operation failure contact (Ready)
Battery operation failure contact (Backup)
Green LED "DC OK"
Battery charge yellow LED / Battery supplies the charge
RS485 - ModBus RTU

Lead-Acid, NiMH, Ni-Cd

12 or 24 Vdc (1)

1 A (1)
1.2... 20Ah
n/a
reverse polarity/overload/deep discharge

>90%

< 3W

-20... +60°C

-

-

-

EN60950

EN61000-6-2, EN61000-6-4

>500'000 h according to SN 29500 / >150'000 h according to MIL Std.

HDBK 217F

II / 2

IP 20 IEC 529, EN60529

2.5 mm² (IN/OUT/BATT) and 0.75 mm² (signal) removable screw terminal blocks

aluminium

300 g

vertical on rail, allow 5 mm spacing between adjacent components

PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB

APPLICATIONS

XCSU240S is a smart battery equipped with a microprocessor to determine the most appropriate charging and monitoring algorithm to ensure battery efficiency. Using an external DC power source, XCSU240S is able to charge NiCd, NiMh and lead acid batteries.

PRODUCT FEATURES:

- Independent 12 or 24 V input, output and battery voltages (microprocessor sets the voltage to the required level)
- It is no longer necessary to increase the voltage of the power supply to allow the battery to charge, resulting in an increase of the output voltage
- The device is supplied with a default setting that can be changed with a simple ModBus connection, which can also be used to monitor functions and establish a direct connection to a PLC
- Integrated software allows you to select battery type and capacity, with the microprocessor selecting the most appropriate charging algorithm and monitoring its efficiency
- System monitoring with two available remote alarms that can be set to no network power, battery on, battery efficiency, battery overtemperature, output overload
- Programmable remote control for turning battery charging, output and alarms on/off
- Programmable on/off timer