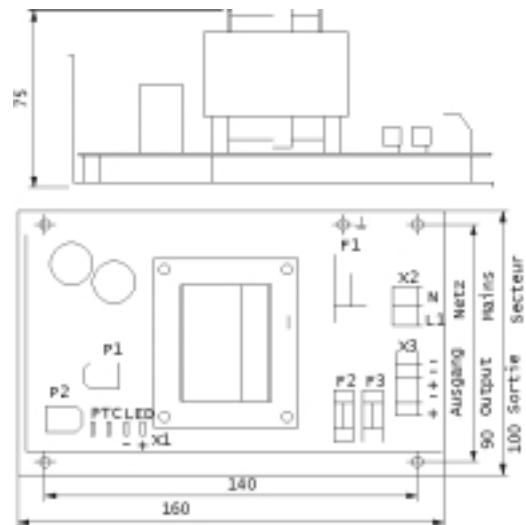
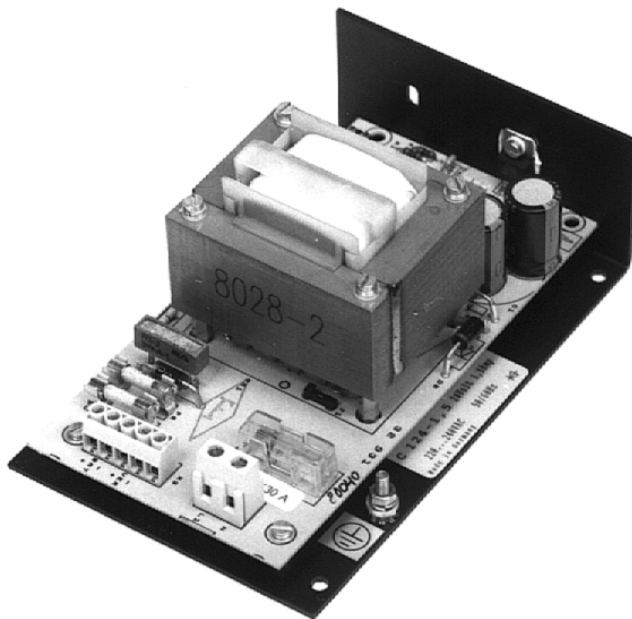


12V 1,5A
24V 1,5A

linear regulated
open frame

Battery Chargers

Chapt. 1.1.2. Series C100-1,5



General Description

The chargers of the series C 100-1,5 are designed for continuous. When used in the parallel-stand-by mode the load should not exceed 1A.

All standard chargers have screw terminals for mains supply, load and battery. They have also fuses for the battery and load output.

The standard charger is designed for 230V 50/60Hz. Chargers for other voltages can be supplied on demand.

Certifications and CE Marking

The chargers meet the requirements with regard to the electro-magnetic compatibility laid down in the EU law (EWG-Vertrag 89/ 336/ EWG).

Optionen

- If used as charger an LED can be supplied as charge monitor either on the PCB or for remote installation. The switching threshold of the LED is adjustable between 2 and 400mA.
- Temperature controlled charge voltage

Technical characteristics

Type of charger	C112-1,5	C124-1,5
Nennspannung DC	12 V	24 V
Nominal voltage DC	1,5 A	1,5 A
Charge voltage setting	13,8V	27,6 V
Current limit	1,5-1,7 A	
Short cut current	0,4 A	0,01 A
Charge profile	IU falling	
Back current at mains failure appr.	15 mA	22 mA
Input current at 230VAC appr.	0,2 A	0,32 A
Nominal voltage AC, 50/60Hz	115/230 V ± 10%	115/230 V ± 10%
Range of ambient temperature	-10°C / +40°C	-10 / + 35 C
Ripple of the output voltage at 0,75 A	<0,1 % pp	
Variation of the output voltage between.216-244VAC at 0,75 A	<+-0,05 %	
Reverse polarity protection	Fuse	
Variation of the battery output appr.	1 %	0,5 %
Variation of the load output at 0,75 A	0,2 %	0,1 %
Max. section of the output cable	2,5 qmm	
Construction	open frame, aluminum angle	
Mains interference	EN 55014	
Class of protection	I/VDE 0805	
Cooling	convection, aluminum angle	
Humidity during storage	95% no dew	
Humidity during operation	80% no dew	

