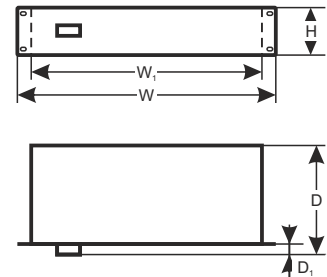


CODE: **RC48V** v.1.0/II
NAME: **Battery controller 48VDC/5A for RACK 19" cabinets**

EN**



The battery controller features:

- Microprocessor-based automation system
- Automatic battery test every 5 min.
- The measurement of the resistance of the battery circuit
- Monitoring of the continuity of the battery circuit
- Battery Detection
- Low battery voltage indication - DC operation
- Battery output protection against short-circuit and reverse polarity connection
- Battery cables included
- Battery compartment for 4 batteries (the total capacity of 68 Ah / 12 V (SLA) max. batteries)
- Technical output of failure - relay type
- Optical indication of failure (LED)
- Acoustic indication of failure
- "Test" button is at the front panel
- Designed to operate with a 54 V uninterruptible power supply unit
- Warranty - 2 years from production date

DESCRIPTION

The **RC48V** battery controller is designed for monitoring the status of the 4 x 17 Ah / 12 V (SLA) battery pack based on the measurements of resistance, continuity of the battery circuit, voltage, and the charge level. It is also protected against reverse connection and short circuit in the charging circuit. In the case of failure, a LED light is activated, which is accompanied by switching of relay contacts and acoustic indication.

ELECTRICAL PARAMETERS

Battery compartment	68 Ah / 12 V (SLA) max.
The BAT output current	5 A max.
The BAT output voltage	54 V DC max.
Battery output protection against short-circuit and reverse polarity connection	7,5 A (19 mm) time-delay fuse
Optical indication of operation	ALARM LED
Acoustic indication of operation	Piezoelectric indicator ~75 dB / 0,3 m
ALARM – technical output of collective failure indication	Relay type: 1 A@ 30 V DC / 48 V AC

MECHANICAL PARAMETERS

Mounting dimensions	W=19", H=2U, D=60
Dimensions	W=483, W ₁ =435, H=88, D=60, D ₁ =15 [± 2mm]
Mounting	Four-point butt mounting to RACK profiles - a set of 4 M6 screws + cage nuts included
Net/gross weight	1,5 / 1,6 [kg] (without batteries)
Enclosure	Steel plate 1,2mm, color RAL 9005
Warranty	2 years from production date
Connectors	BAT inputs 1÷4: Ø0,63÷2,50 (AWG 22-10) 0,5-2,5mm ² Battery cables 4x red, 4x black (2,5mm ² , 6,3F-2,5) BAT output: Ø0,63÷2,50 (AWG 22-10) 0,5-2,5mm ² ALARM output: Ø0,5-2,1 (AWG 24-12) 0,5-1,5mm ²