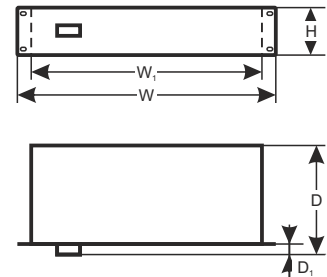


CODE: **RCB48V** v.1.0/1  
TYPE: **Battery controller 48VDC/5A/4x17Ah for RACK 19" cabinets**

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 compartment for four 7Ah/17Ah/12V (SLA) 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 54V uninterruptible power supply unit
- Warranty: 2 years from the production date

### DESCRIPTION

The **RCB48V** battery controller is designed for monitoring the status of the 4x17Ah/12V (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**

<b>Battery compartment</b>	4x17Ah/12V (SLA) max.
<b>The BAT output current</b>	5A max.
<b>The BAT output voltage</b>	54V DC max.
<b>Battery output protection against short-circuit and reverse polarity connection</b>	7,5A (19mm) time-delay fuse
<b>Optical indication of operation</b>	ALARM LED
<b>Acoustic indication of operation:</b>	Piezoelectric indicator ~75dB /0.3m
<b>ALARM – technical output of collective failure indication</b>	Relay type: 1A@ 30VDC/50VAC

**MECHANICAL PARAMETERS**

<b>Mounting dimensions</b>	W=19", H=2U, D=425
<b>Dimensions</b>	W=483, W <sub>1</sub> =435, H=88, D=425, D <sub>1</sub> =15 [+/- 2mm]
<b>Mounting</b>	Six-point butt mounting to RACK profiles - a set of 6 M6 screws + cage nuts included
<b>Net/gross weight</b>	5,2kg / 5,9kg (without batteries)
<b>Enclosure</b>	Steel plate 1,2 mm, color RAL 9005
<b>Warranty</b>	2 years from the production date
<b>Connectors</b>	Battery inputs: 6,3F-2,5 The BAT output: $\Phi 0,63 \pm 2,50$ (AWG 22-10) 0,5-2,5mm <sup>2</sup> The ALARM output: $\Phi 0,5-2,1$ (AWG 24-12) 0,5-1,5mm <sup>2</sup>