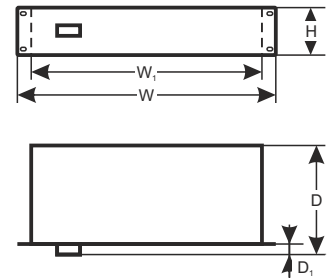CODE: **RC12V** v.1.0/I

TYPE: **Battery controller 12VDC/20A for RACK 19" cabinets**

EN**

CE

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 includednnection

- Battery compartment for 1÷4 batteries (the total capacity of 84Ah/12V (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 13,8V uninterruptible power supply unit
- Warranty - 2 years from the production date

DESCRIPTION

The **RC12V** battery controller is designed for monitoring the status of the 1÷4 battery pack based (the total capacity of 84Ah/12V (SLA) max. batteries), 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	84Ah/12V (SLA) max.
The BAT output current	20A max.
The BAT output voltage	13,8V DC max.
Battery output protection against short-circuit and reverse polarity connection	25A (19mm) time-delay fuse
Optical indication of operation	ALARM LED
Acoustic indication of operation:	Piezoelectric indicator ~75dB /0,3m
ALARM – technical output of collective failure indication	Relay type: 1A@ 30VDC/50VAC

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	1,5kg / 1,6kg (without batteries)
Enclosure	Steel plate 1,2mm, color RAL 9005
Warranty	2 years from the production date
Connectors	BAT inputs 1÷4: Φ0,63÷2,50 (AWG 22-10) 0,5-2,5mm^2 Battery cables 4x red, 4x black (2,5mm^2, 6,3F-2,5) The BAT output: Φ0,63÷2,50 (AWG 22-10) 0,5-2,5mm^2 The ALARM output: Φ0,5-2,1 (AWG 24-12) 0,5-1,5mm^2