

CODE: **RUPS848T** v.1.0/II  
TYPE: **RUPS 54V/8x0,5A/TOPIC RACK mounted buffer power supply**

EN\*



### Features:

- DC 54V/8x0,5A uninterruptible power supply
- 8 outputs independently protected with 0,5A glass fuses
- wide range of mains supply AC: 176÷264V AC
- high efficiency 85%
- built-in power factor correction system (PFC)
- battery charging and maintenance control
- excessive discharging (UVP) protection
- battery output protection against short circuit and reverse connection
- battery charge current: 0,5A (batteries 4×7Ah / 4×17Ah)
- control of voltage presence at the AUX1 ÷ AUX8 outputs
- acoustic indication of failure
- LED optical indication: AC, DC, TEMP, LoB, ALARM, AUX1 ÷ AUX8
- the ALARM technical output of collective failure – relay type, activated by:
  - 230V AC power loss
  - low voltage of the PSU (<46V)
  - activation of the output fuse
  - too high temperature of the PSU (>70°C)
  - the PSU failure
- protections:
  - SCP short-circuit protection
  - OVP overvoltage protection
  - overvoltage protection
  - overload protection OLP
- forced cooling (fan)
- warranty – 2 year from the production date

### DESCRIPTION

The buffer power supply **RUPS848T** is used for uninterrupted supply of devices requiring stabilized voltage of **48V DC (+/- 15%)**. The PSU supplies voltage of **U=54V DC** and total current capacity of:

**Output current 4A + 0,5A battery charge.**  
**Total device current + battery: 4,5A max.**

In case of power decay, a battery back-up is activated immediately. The PSU is fitted with 8 outputs protected independently with glass fuse 0,5A. The power supply is fitted with the ALARM output of collective failure. In case of failure, relay contacts are switched automatically, which is accompanied by acoustic and optical indication (the corresponding led goes on). The power supply construction is based on the switch mode PSU with high energy efficiency and is located in an enclosure adapted for mounting in standard **RACK 19"** cabinets.

# RACK series power supply unit

## RACK mounted buffer power supply



SPECIFICATIONS	
PSU type:	A (EPS - External Power Source)
Mains supply	176÷264V AC 50÷60Hz
Current up to	1,1A@230V AC max.
Supply power	243W max.
Efficiency	85%
Power factor PF	>0,95 @230V AC
Output voltage	44V ÷ 54V DC – buffer operation 38V ÷ 54V DC – battery-assisted operation
<b>Output current</b>	<b>8 x 0,5A + 0,5A battery charge</b>
Ripple	150 mV p-p max.
Battery charge current (batteries 4x7Ah / 4x17Ah, connect batteries in series)	0,5A max. (+/-5%)
Short-circuit protection SCP	8 x F 0,5A, glass fuse
Overload protection OLP	105% ÷ 150% of the PSU power, automatic return or: 8 x F 0,5A
Current consumption by PSU systems	0,26A
Oversvoltage protection OVP	>62V (activation requires disconnecting the load or supply for about 20s.)
Battery circuit protection SCP and reverse polarity connection	glass fuse
Surge protection	varistors
Excessive discharge protection UVP	U<38V (+/-5%) – disconnect of connection battery
Optical indication of operation:	LED: AC, DC, TEMP, LoB, ALARM, AUX1÷AUX8
Acoustic operation indication:	Piezoelectric indicator ~75dB/0,3m
Operating conditions	2nd environmental class, -10 °C÷ +45°C
Enclosure	Steel plate RAL 9005, black
Enclosure dimensions	W=19", H=2U; 482 x 88 x 223 mm (WxHxD)
Net weight	5,8kg / 6,2kg
Fixation	four-point butt mounting to RACK profiles – the set include 4 M6 screws + cage nuts
Declarations, warranty	CE, 2 year from the production date
Notes	Forced cooling (fan). 230V AC input: the IEC C14 socket with a fuse, power cable 1,5m (included) Outputs: ALARM, AUX1÷AUX8: $\Phi$ 0,5-2,1 (AWG 24-12) 0,5-1,5mm <sup>2</sup> Battery output BAT: 6,3F-2,5