

CODE: **RUPS824P** v.1.0/II
TYPE: **RUPS 27,6V/8x1A/PTC RACK mounted buffer power supply**

EN*



Features:

- DC 27,6V/8x1A uninterruptible power supply
- 8 outputs independently protected with 1A polymer fuses PTC
- 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: 1A (batteries 2x7Ah / 2x17Ah / 2x28Ah)
- 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 (<23V)
 - 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 **RUPS824P** is used for uninterrupted supply of devices requiring stabilized voltage of **24V DC (+/- 15%)**. The PSU supplies voltage of **U=27,6V DC** and total current capacity of:

Output current 8A + 1A battery charge.
Total device current + battery: 9A max.

In case of power decay, a battery back-up is activated immediately. The PSU is fitted with 8 outputs protected independently with polymer fuses PTC 1A. 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	248W max.
Efficiency	85%
Power factor PF	>0,95 @230V AC
Output voltage	22V ÷ 27,6V DC – buffer operation 19V ÷ 27,6V DC – battery-assisted operation
Output current	8 x 1A + 1A battery charge
Ripple	150 mV p-p max.
Battery charge current (batteries 2x7Ah / 2x17Ah / 2x28Ah, connect batteries in series)	1A max. (+/-5%)
Short-circuit protection SCP	8 x PTC 1A, polymer fuse
Overload protection OLP	105% ÷ 150% of the PSU power, automatic return or: 8 x PTC 1A
Current consumption by PSU systems	0,24A
Overvoltage protection OVP	>32V (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<19V (+/-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: Φ 0,5-2,1 (AWG 24-12) 0,5-1,5mm ² Battery output BAT: 6,3F-2,5