RACK series power supply unit RACK mounted buffer power supply



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CODE: ROUPS24V v.1.0/II

TYPE: ROUPS 27,6V/10A RACK mounted buffer power supply.



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Features:

- DC 27,6V/10A uninterruptible power supply
- outputs protected by 10A melting fuse
- 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 2×7Ah / 2x17Ah / 2x28Ah)
- control of voltage presence at the outputs
- · acoustic indication of failure
- LED optical indication: AC, DC, TEMP, LoB, ALARM, AUX

- 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 ROUPS24V buffer power supply unit is designed for uninterrupted power supply of requiring stabilized voltage of 24V DC (+/- 15%). The PSU provides voltage of U=27,6V DC current efficiency max. I=9A + 1A battery charge. In case of power decay, a battery back-up is activated immediately. The PSU output protected independently with melting fuse 10A. 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.



AUX power supply output can be split into 8 or 16 outputs with the use of RACK fuse modules:

- the RLB8 (RACK 8x2A fuse modules)
- the RLB16 (RACK 16x1 fuse modules)

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PSU type:	SPECIFICATIONS	
Mains supply 176+264V AC 50+60Hz		A (EDS - External Dower Source)
Current up to 1,5A@230V AC max. Supply power 276W 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 9A + 1A battery charge Ripple 150 mV p-p max. Current consumption by PSU systems 180mA 1A max. (+/-5%) Sattery charge current (batteries 2x7Ah / 2x17Ah / 2x28Ah, connect batteries in series) Short-circuit protection SCP F 10A, melting fuse Overload protection OUP 105% + 150% of the PSU power, automatic return >32V (activation requires disconnecting the load or supply for about 20s.) Battery circuit protection SCP and reverse polarity connection uvp U<19V (+/-5%) – disconnect of connection battery The ALARM technical output of collective failure Optical indication of operation: LED: AC, DC, TEMP, LoB, ALARM, AUX 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/gross weight 5,7kg / 6,2kg Firsation 1 CEP, 240 confice of the production date Forced cooling (fan), 230V AC input: the IEC C14 socket with a fuse, power cable 1,5m (included) Technical output: ALARM: Φ0,5-2,1 (AWG 24-12) 0,2-1,5mm²		
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