

RACK POWER CCTV series power supply unit

RACK mounted buffer power supply of the recorder



CODE: **ROUPS12VR** v.1.0/II
TYPE: **ROUPS 12V/5A RACK** mounted buffer power supply of the recorder.

EN*



Features:

- DC 12V/5A uninterruptible power supply of the recorder
- outputs protected by 5A melting fuses
- the output voltage of 12V is supplied regardless of the battery status
- wide range of mains supply AC: 176÷264V AC
- battery charging and maintenance control
- excessive discharging (UVP) protection
- battery output protection against short circuit and reverse connection
- battery charge current: 1A (batteries 1×7Ah / 1×17Ah / 1×28Ah)
- control of voltage presence at the output
- acoustic indication of failure
- LED optical indication: LED: AC, DC, TEMP, LoB, ALARM, DVR
- the ALARM technical output of collective failure – relay type, activated by:
 - 230V AC power loss
 - low voltage of the PSU (<11,5V)
 - 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 **ROUPS12VR** buffer power supply unit is designed for uninterrupted power supply of up to recorder requiring stabilized voltage of **12V DC**. The PSU provides voltage of **U=12V DC** current efficiency max. **I=5A + 1A battery charge**. In case of power decay, a battery back-up is activated immediately. The output for the recorder is protected with a 5A polymer fuse. 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.

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SPECIFICATIONS	
Mains supply:	176÷264V AC
Current up to:	0,8A@230V AC max.
Supply power:	74W max.
Efficiency	71%
Output voltage DVR - recorder	12V DC
Output current	5A recorder + 1A battery charge
Ripple	50 mV p-p max.
Battery charge current (batteries 1x7Ah / 1x17Ah / 1x28Ah)	1A max. (+/-5%)
Short-circuit protection SCP	F 5A, melting fuse
Overload protection OLP Current consumption by PSU systems	105% ÷ 150% of the PSU power, automatic return 0,2A
Overvoltage protection OVP	>16V (activation requires disconnecting the load or supply for about 20s.)
Battery circuit protection SCP and reverse polarity connection	polymer fuse PTC
Surge protection	varistors
Excessive discharge protection UVP	U<9,5V (+/-5%) – disconnect of connection battery
Optical indication of operation:	LED: AC, DC, TEMP, LoB, ALARM, DVR
Acoustic operation indication:	Piezoelectric indicator ~75dB/0,3m
The ALARM technical output of collective failure	Relay type: 1A@ 30VDC/50VAC
Enclosure dimensions	W=19", H=2U; 482 x 88 x 223 mm (WxHxD)
Net weight	5,50kg / 5,80kg
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). Connectors: 230V AC input: the IEC C14 socket with a fuse, power cable 2m (included) Outputs: ALARM, AUX1÷AUX8: $\Phi 0,5-2,1$ (AWG 24-12) 0,5-1,5mm ²