

# APS-30 S

## BACKUP POWER SUPPLY

The **APS-30 S** switch mode power supply is designed for devices that require 12 VDC nominal voltage. The set includes: power supply, transformer, enclosure **OPU-4P** (with space for a 7 Ah battery) and additional accessories (tamper switches, spacers, connecting cables for transformer, wall plugs (anchors) and screws).

- nominal output voltage (according to IEC 38): 12 V DC
- output voltage stabilization
- battery status control and low battery disconnect system
- ability to work without a battery connected
- output current:
  - operation with battery: 2,5 A / 2 A
  - operation without battery: 3 A
- battery charging current: 0,5 A / 1 A (selectable)
- pins enabling configuration of the power supply settings
- 3 LEDs to indicate:
  - AC mains power supply status
  - battery status
  - battery charging
- 2 OC outputs to indicate the following troubles:
  - AC mains power loss
  - low battery
- acoustic signaling of troubles
- electronic short-circuit protection of AC mains power supply circuit
- short-circuit protection fuse for battery charging circuit (T 3,15 A)
- electronic short-circuit and overload protection of the power output
- tamper protection against enclosure opening and removal from mounting surface



### TECHNICAL DATA

Environmental class	I
Transformer supply voltage	230 V AC
Enclosure dimensions	266 x 286 x 100 mm
Board dimensions	140 x 99 mm
Operating temperature range	+5...+40 °C
Battery failure voltage threshold (±10%)	11 V
Battery cut-off voltage (±10%)	9,5 V
Recommended battery	12 V / 7 Ah
Weight without the battery	2,45 kg
Battery charging current (switchable)	0,5 A / 1 A
Nominal output voltage (according to IEC 38)	12 V DC
Power supply type (according to EN50131)	A
Output current (operation without battery connected)	3 A
Output current (operation with battery connected)	2,5 / 2 A
Current consumption by power supply circuits	80 mA
Electronics board supply voltage (from transformer)	17...24 V AC
OC outputs (AWS, AWB)	50 mA / 12 V DC