

## PS70.H (DIN rail, 70W) - 2 outputs

## BACK UP POWER SUPPLIES

- ☒ Input voltage 230V~50Hz
- ☒ Output voltages 13.8V & 24V or 48V DC – common ground / 70W output power
- ☒ Only 1x 12V backup battery
- ☒ IUoU charging curve
- ☒ Signaling - mains failure, battery capacity < 50%
- ☒ Mounting type: DIN rail
- ☒ Standards: Electrical safety - EN 60950, EMC - EN 61000-3-2, EN 55032



The PS70.H backup power supply is designed for reverse supply 12V/5A and 24V/1.5A or 48V/0.8A. The total output power is 70W. In case of mains failure, the connected 12V battery provides the uninterruptable backup supply on both outputs. When the battery capacity drops to a critical level, the power supply will ensure its correct disconnection. After the mains powers up, the battery will be automatically recharged to its full capacity.

LEDs on the front panel inform about the output voltages status, battery status and charging status (boost / float). Remote signaling indicates mains failure and battery capacity - < 1/2.

Model specification:

- PS70.H XXxxYYyy - H = DIN rail mounting, XXxx = nominal output voltage 1 and 2, YYyy = maximum output 1 and output 2 current

Installation position is on a horizontal DIN rail, venting slits are above and below. The 3-wire input plug allows connection with a wire cross-section up to 2.5 mm<sup>2</sup>. Outputs, signalization, battery allow connection with wire cross-section up to 2.5 mm<sup>2</sup>. Using the part no. IP.0000.000.04 mounting kit, it is possible to install the PS70.H into 19" frames.



MODEL SPECIFICATION	PS70.H 12240602 13.8V(5A), 24V(1.5A)	PS70.H 12480601 13.8V(5A), 48V(0.8A)
Input voltage	230V~50Hz	230V~50Hz
Output voltages	13.8V(5A) / 24V(1.5A)	13.8V(5A) / 48V(0.8A)
Output power	70W	70W
Efficiency	86%	86%
Insulation strength input / output	4kV	4kV
Operating temperature	-25°C - +60°C	-25°C - +60°C
Output voltage stability 12V / 24V(48V)	± 1% / ± 0.5%	± 1% / ± 0.5%
Air flow	Convection	Convection
Boost/float voltage/charge current	14.4V/13.8V/1A	14.4V/13.8V/1A
Overtemperature protection	85°C	85°C
LVD (low voltage disconnect)	10.5V	10.5V
Local signalization LED	12V, 24V, Low bat, boost charging	12V, 48V, Low bat, boost charging
Remote signaling (OE 24V/50mA)	Mains failure, Vbat<10.5V	Mains failure, Vbat<10.5V
Mounting type	DIN rail	DIN rail
Dimensions W x H x D (mm)	106 x 90 x 68 mm	106 x 90 x 68 mm
Weight (kg)	0.32 kg	0.32 kg
Degree of protection	IP20	IP20
Part No.	IP.4122.633.08	IP.4122.633.09