

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

## BACK UP POWER SUPPLIES

- ☑ Input voltage 230V~50Hz
- ☑ Output voltages 12V/24V or 12V/48V DC / 70W output power
- ☑ Backup from 1x 12V battery, DC/DC converter 24V (48V) DC (common ground)
- ☑ Boost battery charging
- ☑ Signaling - mains failure, battery condition < 50%
- ☑ Mounting type: DIN rail
- ☑ Standards: Electrical safety - EN 60950, EMC - EN 61000-3-2, EN 55022



PS70.H backup power supply is designed for reverse supply 12V/5A; 24V/1.5A or 12V/5A; 48V/0.8A. The total output power is 70W. In case of mains failure, the connected 12V battery provides the uninterruptable backup supply of 12V and 24V (48V) load. In case of battery discharge, the power supply will provide its correct disconnection. After the mains powers up, the battery will be automatically recharged to its full capacity.

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

Model numbering:

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

The model is designed for DIN rail mounting. 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>.

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
Over temperature protection	85°C	85°C
LVD (low voltage disconnect)	10.5V	10.5V
Local signaling LED	12V, 24V, Low batt, boost charging	12V, 48V, Low batt, 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