



- ☒ Input voltage 230V~50Hz
- ☒ Output voltage(s) 12V/3.5A or 12V(3.5A); 24V(1A) / 50W output power
- ☒ Galvanic isolation between input and output and among both outputs
- ☒ Only 1x 12V backup battery, auxiliary DC/DC converter 12V to 24V DC
- ☒ Signaling – main failure, battery capacity < 50%
- ☒ Mounting type: DIN rail
- ☒ Standards: Electrical safety - EN 60950, EMC - EN 61000-3-2, EN 55022

The PS50.H back-up power is designed for reverse supply 12V/3.5A or 12V/3.5A and 24V/1A. The total output power is 50W, the output power of the 12V/24V DC/DC converter is 24W. In case of mains failure, the connected 12V battery provides the back-up supply of the connected load. After the mains powers up, the backup power supply ensures battery charging to its full capacity.

The LEDs on the front panel inform about output voltages and battery status. Remote signaling indicates the mains failure and battery condition < 1/2.

Model numbering:

- PS50.H XXYY – H = DIN rail mounting, XX = nominal output voltage, YY = maximum output current, or
- PS50.H XXxxYYyy – H = DIN rail mounting, XXxx = nominal output voltage 1 and 2, YYyy = maximum output current 1 and 2

The power supply is designed for DIN rail mounting. The 3-wire input plug allows a connection with wire cross-section up to 2.5mm². Outputs, battery and the power source signaling plug allows conductor cross connection up to 2.5mm².

MODEL SPECIFICATION	PS50.H 1204 13.8V(3.5A)	PS50.H 12240401 13.8V(3.5A), 24V(1A)
Input voltage	230V~50Hz	230V~50Hz
Output voltage	13.8V(3.5A)	13.8V(3.5A); 24V(1A)
Output power	50W	50W
Efficiency	91%	90%
Insulation strength input / output	4kV / -	4kV / 1.5kV
Operating temperature	-25°C - +50°C	-25°C - +50°C
Output voltage stability	± 1%	± 1%
Parallel operation	No	No
Air flow	Convection	Convection
Charge voltage	13.8V	13.8V
Charge current	3.5A max.	3.5A max.
LVD (low voltage disconnect)	10.3V	10.3V
Mounting type	DIN rail	DIN rail
Dimensions W x H x D (mm)	45 x 127 x 104 mm	45 x 127 x 104 mm
Weight (kg)	0.33 kg	0.37 kg
Degree of protection	IP20	IP20
Part No.	IP.4121.633.06	IP.4122.633.07