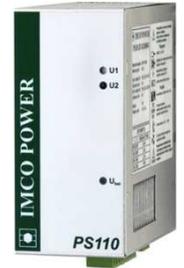


- ☒ **Input voltage 230V~50Hz**
- ☒ **Output voltages 12V/24V DC or 12V/48V DC / 110W output power**
- ☒ **Only 1x 12V backup battery, auxiliary DC/DC converter 12V to 24V(48V) DC (common ground)**
- ☒ **-25°C - + 60°C temperature range operation, boost / temperature controlled battery charging in at 4 levels**
- ☒ **Signalization – mains failure, battery condition < 50%**
- ☒ **Mounting type: DIN rail**
- ☒ **Standards: Electrical safety - EN 60950, EMC - EN 61000-3-2, EN 55022**



The PS110.H backup power supply with two output voltages is designed for reverse supply 12V; 24V or 12V; 48V devices. The total output power is 110W, the output power of the 24V(48V) DC/DC converter is also 110W. In case of mains failure, the connected 12V battery provides the backup supply of the connected load. After the mains powers up, the backup power supply ensures boost battery charging to its full capacity. The float charging voltage is thermally controlled. The charging current can be set in at 4 levels according to the used battery.

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

Model numbering

- PS110.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 a wire cross-section up to 2.5mm<sup>2</sup>. Outputs, batteries and power source signaling plug allow connection with a wire cross-section up to 2.5mm<sup>2</sup>.

MODEL SPECIFICATION	PS110.H 12240804 13.8V(8A), 24V(4A)	PS110.H 12480802 13.8V(8A), 48V(2A)
Input voltage	230V~50Hz	230V~50Hz
Output voltage	13.8V(8A); 24V(4A)	13.8V(8A), 48V(2A)
Output power	110W	110W
Efficiency	90%	90%
Insulation strength input / output	4kV	4kV
Operating temperature	-25°C - +60°C	-25°C - +60°C
Output voltage stability	± 1%	± 1%
Temperature charge voltage compensation	-3mV / °C	-3mV / °C
Air flow / Overtemperature protection	Convection / 85°C	Convection / 85°C
Battery charge voltage	13.8V	13.8V
Charge current (setting in 4 levels)	1.6A, 2.1A, 3.5A, 5.6A	1.6A, 2.1A, 3.5A, 5.6A
LVD (low voltage disconnect)	10.3V	10.3V
Mounting type	DIN rail	DIN rail
Dimensions W x H x D (mm)	60 x 128 x 134 mm	60 x 128 x 134 mm
Weight (kg)	0.58 kg	0.58 kg
Degree of protection	IP20	IP20
Part No.	IP.4132.633.03	IP.4132.633.04