

## PS70.H PoE (DIN rail, 70W)

## BACK UP POWER SUPPLIES with PoE

- ☒ Input voltage 230V~50Hz
- ☒ Output voltages 13.8V & 55.2V DC – common ground / 70W output power
- ☒ Only 1x 12V backup battery (Pb or LiFePO4)
- ☒ IUoU charging curve, in case of 1.5Ah LiFePO4 battery the charging time takes 1.5 hours
- ☒ 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 13.8V/5A and 55.2V/0.7A for PoE. Both power supplies contain a passive PoE 1Gb unit. The passive 1Gb PoE is in industrial design with surge protection. Version PS70.H 12550601B PoE has a built-in 1.5Ah LiFePO4 battery, which can back up the 50W load up to 20 minutes. The sources allow a connection of external 12V lead acid or LiFePO4 12.8V/3Ah battery (BM1204\_03 LiFePO4 – IP.7421.633.23).

The LiFePO4 battery has a 20-year service life or 2500 charge/discharge cycles, fast recharging times, high operating temperature (up to +60° C), small dimensions and low weight (up to 5 times more power with comparable lead acid 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. PoE unit allows operating mode setting – A, B, and A+ B. It is indicated though LEDs.

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. RJ45 connects LAN network and PoE output.



MODEL SPECIFICATIONS	PS70.H 12550601 PoE 12V(5A), 55.2V(0.7A)	PS70.H 12550601B PoE 12V(5A), 55.2V(0.7A)
Input voltage	230V~50Hz	230V~50Hz
Output voltage / current	13.8V(14.4V)-5A / 55.2V(0.7A)	13.8V(14.4V)-5A / 55.2V(0.7A)
Output power	70W	70W
Efficiency	86%	86%
Dielectric strength input/output	4kV	4kV
Operating temperature	-25°C - +60°C	-10°C - +60°C
Cooling	convection	convection
Boost / float / max. current charging	14.4V/13.8V/1A	14.4V/13.8V/1A
Battery LiFePO4 12.8V	-	1.5Ah
LVD (low voltage disconnect)	10.5V	10.5V
Local signaling	12V, 55V, Low bat, boost	12V, 55V, Low bat, boost
Remote signaling (OE max. 50mA)	Mains failure, Vbat<11.5V	Mains failure, Vbat<11.5V
Dimensions W x H x D (mm)	126 x 90 x 68 mm	180 x 90 x 68 mm
Weight (kg)	0.36 kg	0.7 kg
Degree of protection	IP20	IP20
Part No.	IP.4122.633.138	IP.4122.633.139