



Microprocessor-controlled backup power supply device according to DIN EN 54-4 (Fire alarm systems part 4: Power supply devices) for realization of the backup power source for sound systems for emergency purposes (e.g. voice alarm systems).

**System Features:**

The EPS 24 HP and EPS 24 MP provide six 24V DC outputs for the supply of power amplifiers, the EPS 24 LP provides four. In addition, six or two 24V DC outputs are available for system preamplifier components.

The EPS 24 HP/MP/LP have standard-compliant indicators on the front for mains and battery operation, as well as charging and error status. There is also a front USB port for device configurations. An optional control software is available.

Rear connections/terminals for the batteries, as well as terminals for temperature sensors (included), remote control input and message outputs for system fault forwarding.

All primary and secondary input voltages are permanently monitored.

Network connection (Ethernet) for additional external monitoring of system states (optional). Even non-system components can be connected without any problems due to the open architecture.



**EPS 24 HP / EPS 24 MP / EPS 24 LP rear:**

- |                           |                                   |                             |
|---------------------------|-----------------------------------|-----------------------------|
| 1. battery connection (+) | 5. load auxiliary outputs         | 9. error contact 230V       |
| 2. battery connection (-) | 6. temperature sensor connection  | 10. remote control contacts |
| 3. fuse failure indicator | 7. fault contact 24V              | 11. ethernet port (opt.)    |
| 4. high load main outputs | 8. error contact collective error | 12. mains input             |

**Technical Data:**

Model	EPS 24 HP	EPS 24 HP	EPS 24 HP
Power factor	0,94 (active only when request is pending)		
Efficiency	84% (during charging)		
Output voltage stabilization	1,50%		
Leakage current of protective conductors	≤ 1,5mA		
Power consumption from the mains	2,7A max.		
Rated voltage	of ext. battery 24V; in buffer mode 27.1V; in fast charge 27,8V		
Temperature compensation value during buffer operation and fast charging	-40mV / °C		
Capacity of connected batteries	270Ah / 24V		
Charging current	4 - 16A		
Loop impedance of the battery *1	15mΩ - 50mΩ max.		
Number of battery strings	1		
Load capacity / output power	2 x 60A; 4 x 40A / 4 x 5A	6 x 40A / 4 x 5A	4 x 40A / 2 x 5A
Current consumption from the batteries for the power supply's own needs	< 85mA		
Current consumption from the batteries after disconnecting the deep discharge protector	< 1mA		
Change of output voltage *3	20,0 - 28,8V		
Current that can be drawn from the battery path after the main supply source (230V) is disconnected	200A		
Relative humidity	80% max.		
Operating temperature	Class 3K5 according to PN-EN 60721-3-3: -5 to +45°C		
Operating voltage	230VAC (+10%-15%); 50/60Hz		
Housing	Sheet metal, black		
Dimensions	W483 x H43 x D330mm (19"; 1U)		
Weight	4,9kg		
Item Number	ART01307	ART01308	ART01309

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