

SPS range - Safety power supplies



The new range of EN 54-4 certified safety power supplies offer a compact, robust and versatile power solution to installers, allowing them to safely power fire detection and signaling systems in small to large installations.

The compact and discrete design allows for these power supplies to be installed in public places.

Comprehensive yet simple LED status indicators on the front of the unit help installers, commissioners and maintainers assess the status of the unit.

Features

- Compact design
- High useable current output
- Robust and resilient
- Clear LED status indicators

Benefits

- Easy to install and doesn't take up valuable space in a building
- Reduced number of power supplies installed in a system
- Product reliability and suitability for a variety of environments
- Assess status and capacity of unit efficiently

Specifier's guide

4.4 Ancillaries

Technical specification

Code	SPS-2423	SPS-2433	SPS-2453
Reference	SPS-24V-1A5/BNS	SPS-24V-2A5/BNS	SPS-24V-4A5/BNS
Standards	EN54-4 (A2) EN12101-10	EN54-4 (A2) EN12101-10	EN54-4 (A2) EN12101-10
Output current (max.)	1.5	2.5	4.5
Output Voltage	27.5	27.5	27.5
Mains Voltage	230	230	230
Mains frequency	50Hz	50Hz	50Hz
Number of protected outputs	2	2	2
Battery capacity	4Ah	7Ah	17Ah
Transition time mains to battery	Instant	Instant	Instant
Door lock method	Screws	Screws	Screws
Charger fault relay	1A/24V (NO/NC)	1A/24V (NO/NC)	1A/24V (NO/NC)
Battery resistor selector (switch)	Yes	Yes	Yes
Remote temperature probe	Yes	Yes	Yes
Temperature	-5°C/+40°C	-5°C/+40°C	-5°C/+40°C
IP	IP30	IP30	IP30

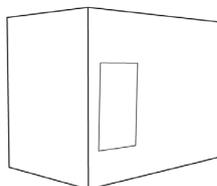
Installation

1. Enclosure is designed for wall mounting
2. 4 x 20mm knockouts are provided for cable entry at the rear of the enclosure
3. Outputs are protected by electronic circuit breakers

System functionality

1. SPS range power supplies provide outputs between 2.3A and 5.3A (including charging current)
2. Output available current (excluding charging current) from 1.5 to 4.5A
3. To enable batteries to be charged correctly, maximum continuous external load should not exceed the values displayed in the table above
4. LED indicators are provided to signify:
 - Power on (Green)
 - General fault (Yellow)
 - Mains fault (Yellow)
 - Charge fault (Yellow)
 - Battery resistance level (Blue or Yellow)

Dimensions



H (mm)	W (mm)	D (mm)
220	300	175

Catalogue numbers

Description	Code	Reference
Safety power supply 24V / 1.5A - EN54-4 certified - Batteries not supplied	SPS-2423	SPS-24V-1A5/BNS
Safety power supply 24V / 2.5A - EN54-4 certified - Batteries not supplied	SPS-2433	SPS-24V-2A5/BNS
Safety power supply 24V / 4.5A - EN54-4 certified - Batteries not supplied	SPS-2453	SPS-24V-4A5/BNS