

PRODUCT SHEET - POWER SUPPLY FROM MILLETEKNIK

EN54-4 Certified / SBF110:8 Approved battery backup

EN54 24V 15A 1U / EN54 48V 7A 1U



The unit is mounted in a 19" rack.

EN54 24V 25A 2U / EN54 48V 13A 2U



The unit is mounted in a 19" rack.

Name, article number, e-number and certificate number

Name	Article number	E-number
EN54 24V 15A 1U	1U01R10024P150-EN54	52 135 55
EN54 24V 25A 2U	2U01R10024P250-EN54	52 135 56
EN54 48V 7A 1U	1U01R10048P070-EN54	52 135 57
EN54 48V 13A 2U	2U01R10048P130-EN54	52 135 58

Description

EN54-4 Certified / SBF110:8 Approved battery backup 24 V, 15 A.

EN54-4 Certified / SBF110:8 Approved battery backup 24 V, 25 A.

EN54-4 Certified / SBF110:8 Approved battery backup 48 V, 7 A.

EN54-4 Certified / SBF110:8 Approved battery backup 48 V, 13 A.

Area of use

EN54 powers fire alarms with 48 V DC or 24 V DC. The rectifier in the power supply converts 230 V DC down to 48 V DC or 24 V DC and supplies power to all important parts of the fire alarm system. EN54 power supply is certified to be used in security facilities that must meet EN54-4 and/or be approved for SBF 110:8.

Batteries drive, for example, the access system, when the power grid goes down.

Long life, energy efficient and support is available if something goes wrong, now or in 10 years.

Voltage, current and power

Mains voltage: 230 V AC - 240 V AC, 47 Hz - 63 Hz.

Voltage out: 27.3 VDC, (24 V). 54.6 VDC (48V)

Charging current: 0.5 A. Depending on the power outlet.

Power outlet: 15 A. 25 A. 7 A. 13 A.

Load outputs

Two load outputs.

Alarm

Alarms can be given on four outputs: Disconnected batteries, delayed mains failure alarm, charger error overvoltage, charger error undervoltage, low battery voltage, fuse error and aged battery.

Protection

Controlled charging of batteries protects against overcharging and extends the life of batteries. Batteries are charged with a maximum of 0.5 A.

Protection against: Deep discharge of batteries, short circuit, overload, overvoltage and overtemperature

Fuses

Mains fuse: 4 A.

Load securing: 10 A. 15 A. 25 A.

Battery fuse: 10 A.

Indications and communication

Information and alarms on LED, display and via RS-485

LED displays information and alarms on the circuit board, on the enclosure door and via communication to the UC.

Battery and battery type

Up to four 150 Ah front-terminal batteries.

Battery type: 12 V, AGM lead-acid battery, maintenance-free. Batteries not included.

Backup operating time on batteries

The reserve operating time in battery operation depends on how large a load is connected to the power supply. If the load varies, as with frequent opening of door locks, the time that batteries can continue to power the security system decreases. To get an estimate of reserve operat-

ing times see: www.milleteknik.se/Manualer/FaQ/Reservdrifttider/

Enclosure

1 HE 2 HE Sheet metal box for mounting in a 19" rack stand. Powder coated black.

Dimensions, height x width x depth	Built-in fan	IP class
44 x 244 x 280 mm	Yes	IP20
88 x 244 x 280 mm	Yes	IP20

Weight

Name	Net weight	Weight incl. packaging
Battery backup EN54 24V15A 1HE	5 kg	6 kg
Battery backup EN54 24V25A 2HE	6 kg	7 kg
Battery backup EN54 48V13A 2HE	6 kg	7 kg
Battery backup EN54 48V7A 1HE	5 kg	6 kg

Installation requirements

The device is intended for fixed installation. The unit must be installed indoors, environmental class 1, ambient temperature: +5°C to +40°C. Recommended ambient temperature is +15°C to +25°C (for optimal battery life).

Requirements that the product meets

EMC:	EMC Directive 2014 / 30EU
Electricity:	Low voltage directive: 2014/35 / EU
CE:	CE directive according to: 765/2008



Standards that product (s) meet and are approved for

EN54

EN 54-4:1997, EN 54-4:1997/AC:1999, EN 54-4:1997/A1:2002 and EN 54-4:1997/A2:2006.
EN50131-6 Security Grade 3 (1-3).

Certificate and certificate number

Certificate number, SBSC	Designation SBSC
No. 18-244	-

Area of use

EN54 is used for fire alarm systems in public environments such as schools, offices and commercial properties.

¹Costs incurred in connection with recycling are not reimbursed.



Guarantee

The product has a five-year warranty against manufacturing defects. Batteries and wearing parts are not covered by warranty.

Expandable, options and accessories

The product cannot be expanded.

Tamper switch

Manufacturing, lifespan, environmental impact and recycling

Manufactured by Milleteknik in Partille, Sweden.

The product is designed and constructed for a long service life, which reduces the environmental impact. The life of the product (except wearing parts) depends on, among other things, environmental factors, mainly ambient temperature, unforeseen load on components such as lightning strikes, external impact, handling errors, etc. Products are recycled, simply because they are modular, by being left at the nearest recycling station or sent back to the manufacturer.¹Contact your distributor for more information.

Link to the latest information

Products and software are subject to updates, you will always find the latest information on our website.

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About this information

All information is published subject to possible errors. This document is updated without notice.