PRODUCT SHEET - POWER SUPPLY FROM MILLETEKNIK

ECO power supply with battery backup

ECO S

Eco should be mounted on the wall.

Name, article number and e-number

Name, article number and email number.

Name	Article number	E-number (SV)
ECO 12V 5A S	SM01C10112P050	52 136 50
ECO 24V 3A S	SM01C10124P030	52 135 16

Description

Primary switched battery backup, 12 V, 5 A, with room for two 2.3 Ah batteries or one 7.2 Ah battery.

Primary switched battery backup, 24 V, 3 A, with room for two 2.3 Ah batteries or two 4.5 Ah batteries.

Area of use

ECO supplies power to access systems, locking systems and other security products in a building that are powered by 12 V DC or 24 V DC. The rectifier in the power supply converts 230 V DC down to 12 V DC or 24 V DC.

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.

Common uses

- Used in smaller access systems, where space and budget are limited.
- Provides backup power for loads such as card readers, power terminals and push buttons.
- Suitable for installations without certification requirements, e.g. in smaller offices, storage rooms or residential entrances.

Voltage, current and power

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

Self-consumption is the power outlet the circuit board has when the system is deployed and in battery operation.

Self-consumption

Circuit Boards	Self-consumption (in battery operation)	Commentary
CEO3 v2.1	32 mA	
CEO3 24V, v5 and CEO3 uP	50 mA	

Voltage out: 13.6 VDC, (12 V). 27.3 VDC, (24 V).

Charging current: 5 A. 0.5 A.

Power outlet: 5A. 3 A.

Load outputs

Two load outputs.

Alarm

Alarms are given for: Delayed mains failure alarm or low battery voltage, disconnected batteries at start-up and fuse failure.

Protection

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

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

Fuses

Mains fuse: 2.5 A.

Load securing: 3 A. 5 A.

Battery fuse: 10 A.

Indications and communication

LED displays information and alarms on the circuit board and on the enclosure door.

Battery and battery type

Battery type: 12 V, AGM lead-acid battery, maintenance-free. Batteries not included. Battery sizes must not be mixed.[1].

1 piece, 7.2 Ah, battery.

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

Enclosure

Sheet metal cabinet for wall mounting, powder-coated white. Six cable entries. Cable tie holder in enclosure.

Dimensions, with and without packaging.

Dimensions, height x width x depth.[a.]	Dimensions with packaging.
230 x 216 x 85 mm	125 x 260 x 255 mm

[a.]Dimensions of product and packaging may differ, this is because the product may lie differently in the packaging.

Height units, fan and IP class.

HE	Built-in fan	IP class
6[a.]	No	IP20

[a.]Cannot be mounted in a 19" rack.

Weight

Weight.

Name	Net weight	Weight incl. packaging
Battery backup ECO 12V 5A S	6.5 kg	4 kg
Battery backup ECO 24V3A S	3 kg	4 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

The product meets the following requirements.

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

NOTE

The product is part of electrical systems, is subject to the relevant electrical and safety directives and is not a machine according to the Machinery Directive (2006/42/EC).

CE

Guarantee

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

Expandable, options and accessories

The product cannot be expanded.

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.[2]Contact 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.

ECO

[1]The number of batteries listed represents the maximum number that the device can handle at the same time. If multiple battery sizes are specified, this means that the device can only accommodate one battery size at a time.
[2]Costs incurred in connection with recycling are not reimbursed.

Link to technical specifications

LINKS

You can find manuals and product sheets at: www.milleteknik.se The QR code below takes you to the product page.

Namn	Dimen-sions	Batterier (12 V) som får plats	Link
ECO 12V 5A S	230 x 216 x 82	2 pieces 2,3 Ah. 2 pieces 4.5 Ah.	
ECO 24V 3A S	230 x 216 x 82	2 pieces 2,3 Ah. 2 pieces 4.5 Ah.	

Batteries are only included if specified, otherwise batteries are purchased separately. Batteries to be used are 12 V AGM lead-acid. Always use new batteries when installing or replacing batteries. Do not mix battery sizes.

About this information

All information is published subject to possible errors. Information is updated without prior notice.

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