

PRODUCT SHEET - POWER SUPPLY FROM MILLETEKNIK

ECO power supply with battery backup

ECO 24V 1A Mini

ECO FLX S



ECO FLX S can be mounted on a wall or in a 19" rack.

Name, article number and e-number

Name	Article number	E-number (SV)
ECO 12V 10A FLX S	FS01C10112P100	52 136 44
ECO 24V 5A FLX S	FS01C10124P050	52 136 45
ECO 24V 10A FLX S	FS01C10124P100	52 136 46

Description

Primary switched battery backup, 12 V, 10 A, with room for two 7.2 Ah or two 14 Ah batteries.

Primary switched battery backup, 24 V, 5 A, with room for two 7.2 Ah or two 14 Ah batteries.

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- [sv] Primärswitchad batteribackup, 24 V, 5 A, med plats för två 28 Ah batterier.
- [sv] Flexibelt - går att utöka reservdrifttiden med extra batteribox med 45 Ah batterier för totalt 73 Ah, (28 + 45 Ah).
- [sv] Standardiserad installation, där alla Sentrionkomponenter är inkopplade från fabrik för direkt åtkomst över kopplingsschema (på 20-poliga kopplingsplintar).
- [sv] Monteras på vägg eller i 19" rack.
- [sv] Utökningsmöjligheter inkluderar fler funktioner på ett nytt 20-poligt anslutningskort. Det finns även plats för ytterligare ett dubbel dörrkontrollkort, ett I/O-kort, samt ytterligare säkringskort och liknande.
- [sv] Utökat skydd mot störningar genom åsk/överspänningskydd på elnätsinkoppling tillsammans med isolationsbrytare.

- [sv] Jackbart kablage på inkopplingsplintar, alla Sentrionkorten och övriga (batteribackup-) kort har jackbara plintar.
- [sv] Fjärranslutning över Sentrion av batteribackupens all status och strömförbrukning i säkerhetssystemet. (Även möjlighet till Unison uppkoppling).
- [sv] Låsbart elskåp, där Larmtablå/MAP sitter bakom låst lock.
- [sv] Alla komponenterna och elkapsling, har var för sig uppfyllt alla EN50131 upp till klass 3 (SSF krav) men är inte provade tillsammans i nuvarande konfiguration.

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 AC 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.

Voltage, current and power

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

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

Charging current: 5 A. 10 A.

Power outlet: 10 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: 5 A. 10 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

2 pieces 7.2 Ah battery.

2 pieces, 14 Ah, battery.

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

Enclosure

Sheet metal cabinet for wall mounting or in a 19" rack cabinet (5 HE). Powder-coated black. Four cable entries on the top and outlet holes on the back. Cable tie holder in enclosure.

Dimensions, height x width x depth	Built-in fan	IP class
222 x 437 x 145 mm	Yes	IP30

Weight

Name	Net weight	Weight incl. packaging
Battery backup ECO 12V10A FLX S	6.5 kg	6.5 kg
Battery backup ECO 24V10A FLX S	6.5 kg	7 kg
Battery backup ECO 24V5A FLX S	6.5 kg	6.5 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).

¹Costs incurred in connection with recycling are not reimbursed.

Requirements that the product meets

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



Guarantee

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

Expandable, options and accessories

Tamper switch

The product can be extended by one [ECO mains failure alarm card](#).

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.

ECO

About this information

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