Swansons
never out of power

SM40

WALL-MOUNTED BATTERY BACKUP

Keep access control, alarm and telecom systems running when the mains goes down. SM40 is a robust battery backup with a complete solution and space for batteries – and with mountings for smart accessories that increase the security of the entire installation.

- ✓ **Complete solution** – power supply and battery space in the same enclosure.
- ✓ **Easy installation** – spacious design and easily accessible connection terminals.
- ✓ **Protected** – against overload, short circuit and deep discharge.
- ✓ **Mains failure alarm** – alarm relay included in all models.
- ✓ **Expand as needed** – mountings for alarm boards, fuse boards, DC/DC converters and more. (For SM40 Mini, only SM102 is available as an accessory)



12-24-48 V	1-3-5-10 A	86-95 %	2 × 1.3-45 Ah
OUTPUT VOLTAGE	OUTPUT CURRENT	EFFICIENCY	BATTERY SPACE

HOW IT WORKS

In normal operation, SM40 powers the installation from the mains and keeps the batteries charged. If the mains goes down, the batteries take over immediately – and the alarm relay signals the mains failure so that it can be dealt with in time.

Suitable for

Access control **Alarm systems** **Low-voltage installations** **Telecom**

Reliable operation

The unit is protected against overload and short circuit and has built-in deep discharge protection, which extends battery life. Mains, load and battery are fused separately.

Full control

A green LED on the front indicates mains voltage. Add alarm board SM102 to also monitor the batteries.

TECHNICAL OVERVIEW

Input voltage	**230 V AC (180–264 V), 47–62 Hz**
Output voltage	**12 / 24 / 48 V DC**
Rated current	**1 / 3 / 5 / 10 A**
Efficiency	**86–95 % (depending on model)**
Battery space	**From 2x 1.3 Ah up to 2x 45 Ah**
Sizes	**Mini, Medium, Large, XL**
Alarm	**Mains failure (relay). Battery monitoring with SM102**
Mounting	**Wall mounting**
Approvals	**CE, RoHS, REACH**

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CHOOSE THE RIGHT MODEL

E-NUMBER	TYPE	OUTPUT VOLTAGE	RATED CURRENT	BATTERY SPACE	DIMENSIONS H×W×D (MM)
12 V					
5257041	SM40 12V 3A Medium	13.7 V	3 A	Max 2x9 Ah	210 × 310 × 85
5257042	SM40 12V 5A Large	13.7 V	5 A	Max 2x20 Ah	300 × 360 × 115
5257044	SM40 12V 10A Large	13.7 V	10 A	Max 2x20 Ah	300 × 360 × 115
5257941	SM40 12V 10A XL	13.7 V	10 A	Max 2x45 Ah	320 × 420 × 180
24 V					
5267039	SM40 24V 1A Mini	27.4 V	1 A	Max 2x1.3 Ah	200 × 135 × 60
5267099	SM40 24V 1A Mini + batteries	27.4 V	1 A	2x1.3 Ah	200 × 135 × 60
5257045	SM40 24V 1A Medium	27.4 V	1 A	Max 2x9 Ah	210 × 310 × 85
5257046	SM40 24V 3A Medium	27.4 V	3 A	Max 2x9 Ah	210 × 310 × 85
5257047	SM40 24V 5A Large	27.4 V	5 A	Max 2x20 Ah	300 × 360 × 115
5257030	SM40 24V 5A XL	27.4 V	5 A	Max 2x45 Ah	320 × 420 × 180
5257048	SM40 24V 10A Large	27.4 V	10 A	Max 2x20 Ah	300 × 360 × 115
5257031	SM40 24V 10A XL	27.4 V	10 A	Max 2x45 Ah	320 × 420 × 180
48 V					
5257049	SM40 48V 5A Large	54.6 V	5 A	Max 4x9 Ah	300 × 360 × 115

ACCESSORIES

E-NUMBER	TYPE	DESCRIPTION	FEATURES	MOUNTING
5256991	SAB40	Tamper switch	Alarms when the lid is opened	Mounted in the enclosure hole pattern
5256993	SM102	Battery monitoring	Alarm board with relay	Mounted on the circuit board
5257223	SPM900-L	Fuse board	5 outputs 2 A, relay output	L-profile in enclosure
5213794	SPM908-L	Fuse board, polyswitch	8 outputs 1.5 A, relay output	L-profile in enclosure
5257371	SPM902-L	DC/DC converter	In 20–60 V, out 9–27 V / 2 A	L-profile in enclosure
5257990	SPM904-L	DC/DC converter	In 20–53 V, out 12 V / 6 A	L-profile in enclosure
5257991	SPM906-L	DC/DC converter	In 20–53 V, out 12 V / 8 A	L-profile in enclosure

Not sure which model you need?

Contact us and we will help you choose the right size and accessories for your installation. Call **0303-746 320** or email **info@swtm.se**.

Installation instructions and wiring diagram are provided in the separate SM40 manual.

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