

BACKUP POWER SUPPLY AC/DC – ADM-SB or ADT-SB

INPUT 230VAC SIGLE PHASE OU 400 VAC THREE PHASE
SORTIE 24VDC, 48VDC or 110VDC



This range of DC back-up power supplies ensures the operation of your applications during the failure or loss of the input network.

These products are designed for industrial applications such as low voltage distribution panels back up and/or the motorisation of MV cell circuit breakers in LV substations.

The option autonomy 2x30mn ensures conformity with the NF C13100 standard allowing a one-time renewable autonomy of 30 minutes.

ADVANTAGES

- Reduced size, weight and easy to install
- Robust, suited for working in harsh industrial environments.
- The power supply can be procured mounted on a panel for easy installation in your cabinet or in a cabinet for wall mounting.

OPTIONS

- Internal coupling diode to allow two cabinets to be used in parallel
- Automatic battery test check regularly the functionality of the battery
- Low battery voltage contactor avoids any deep battery discharge
- 2x30mn autonomy for conformity with NF C13100 standard (other autonomy on request)
- A LCD touch screen giving output current and voltage information
- Communication RS485 or TCP/IP to transmit the alarm signals to a central monitoring system

Other electronic, mechanical or functional options can be implemented on the ADM-SB / ADT-SB power supplies to adapt the product to your needs: longer autonomy, topicalization...



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ADM-SB / ADT-SB – MAIN TECHNICAL SPECIFICATION

DESCRIPTION	OUTPUT VOLTAGE (V)	USER CURRENT (A)	BATTERY CAPACITY (AH)	AVAILABLE POWER MAINS PRESENT (W)	AVAILABLE POWER MAINS ABSENT (W)				DIMENSION OF CABINET (H x P x L - MM)
					30 mn	60 mn	120 mn	180 mn	
ADM SB 24-05-07	24	5	7	120	179	106	60	44	554 x 313 x 454
ADM SB 24-10-14	24	10	14	240	358	211	120	88	554 x 313 x 454
ADM SB 24-10-27	24	10	27	240	637	379	218	157	554 x 313 x 454
ADM SB 24-20-27	24	20	27	500	637	379	218	157	554 x 313 x 454
ADM SB 24-30-42	24	30	42	750	997	587	331	240	554 x 313 x 454
ADM SB 24-60-84	24	60	84	1500	1994	1174	662	480	744 x 313 x 454
ADM SB 48-05-07	48	5	7	240	358	211	120	88	554 x 313 x 454
ADM SB 48-05-14	48	5	14	240	716	422	241	175	554 x 313 x 454
ADM SB 48-10-14	48	10	14	480	716	422	241	175	554 x 313 x 454
ADM SB 48-10-27	48	10	26	500	1274	758	437	314	554 x 313 x 454
ADM SB 48-15-27	48	15	26	750	1274	758	437	314	554 x 313 x 454
ADM SB 48-30-42	48	30	42	1 500	1994	1174	662	480	744 x 313 x 454
ADM SB 110-15-27 SP	110	15	27	1 836	2866	1705	981	706	specific
ADM SB 110-30-42 SP	110	30	42	3 672	4486	2641	1489	1080	specific
ADM SB 110-40-42 SP	110	40	42	4 896	4486	2641	1489	1080	specific
ADT SB 24-10-14	24	10	14	240	358	211	120	88	554x313x454
ADT SB 24-10-27	24	10	27	240	637	379	218	157	554x313x454
ADT SB 24-20-27	24	20	27	500	637	379	218	157	554x313x454
ADT SB 24-60-42	24	60	42	1 550	997	587	331	240	554x313x454
ADT SB 24 100 SP	24	100	-	2 700	specific				
ADT SB 24-200 SP	24	200	-	5 000	specific				
ADT SB 24-400 SP	24	400	-	10 000	specific				
ADT SB 48-10-14	48	10	14	480	716	422	241	175	554x313x454
ADT SB 48-20-27	48	20	27	960	1 274	758	437	314	specific
ADT SB 48-50 SP	48	50	-	2 700	specific				
ADT SB 48-100 SP	48	100	SP	5 000	specific				
ADT SB 48-200 SP	48	200	SP	10 000	specific				
ADT SB 110-15-27 SP	110	15	27	1 836	2866	1705	981	706	specific
ADT SB 110-30-42 SP	110	30	42	3 672	4486	2641	1489	1080	specific
ADT SB 110-40-42 SP	110	40	42	4 896	4486	2641	1489	1080	specific

Note: SP -> autonomy and / or mechanical dimension specifics

The information contained in this leaflet is not of a contractual nature. ENAG reserves the right to amend the technical details of its products without advance notice. Please consult us before installing the units.

FC-ADM-SB-EN-E

ADM-SB / ADT-SB – MAIN TECHNICAL SPECIFICATION

ELECTRICAL CHARACTERISTICS

AC MAINS INPUT

Voltage / Frequency	90 to 264Vac single phase / 47 to 63Hz 340 to 530 Vac three phase / 47 to 63 Hz
Input Protection	Fuse in standard Circuit breaker (with or without auxiliary contact) in option

OUTPUT VOLTAGE

Nominal user voltage	24VDC –floating voltage 27.2Vdc 48VDC –floating voltage 54.4Vdc 110VDC – floating voltage 122.4Vdc
Ripple voltage	< 1%
Power	120W to 10 000W (depending on model)
Output protection	1 Fuse in standard Circuit breaker (with or without contact) in option Number of outputs configurable from 1 to 6
Internal isolation controller	Option
Coupling diode (for parallelization)	Option

BATTERY

Type	VRLA standard (other – please consult ENAG)
Autonomy	See table above
Autonomy 2x30mn (Standard NF C13-100)	In option Reset button in front with mains present indicator Or Remote reset
Deep discharge battery protection	Option
Automatic battery test	Option
External battery box	Option

USER INTERFACE

Display	LED Display in option Analog voltmeter & ammeter in option LCD with touch screen in option
4 Alarms in standard (dry contact)	Network failure, charger failure, on battery, pre-alarm low voltage
4 additional alarms (dry contact)	Configurable (10 information available) in option
Communication	Modbus RS485 or Modbus by TCP/IP in option

ADM-SB / ADT-SB – MAIN TECHNICAL SPECIFICATION

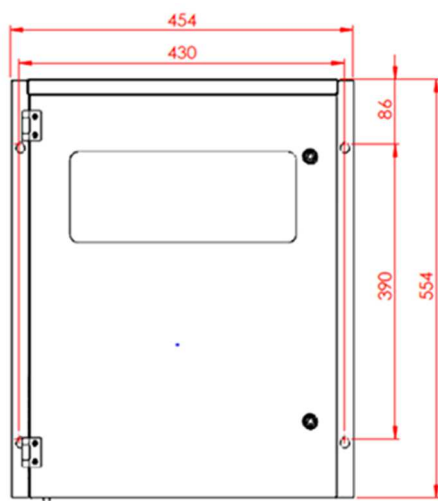
ENVIRONMENTAL AND MECHANICAL CHARACTERISTICS

Storage temperature	- 20°C à +45°C
Working temperature	-10°C à +45°C
Relative Humidity	90% (no condensation)
Dimensions	See table above
I.P. Level	IP20 in standard IP23 or IP31 in option
Colour	RAL 7035 – light grey (other on request)
Locking system	Option
Cable access – on the bottom	Standard (other on request)
Cable passage using cable glands	Standard

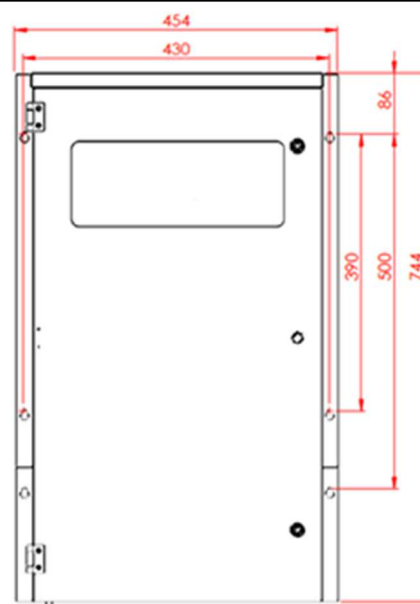
STANDARDS AND CERTIFICATES

Distribution panel HV/MV (NF C13-100)	In option
Electrical Safety	IEC 60950-1
EMC - conducted	EN55022, EN61000-3-2, EN61000-3-3
EMC - radiated	EN55024, EN 61000-6-2
Certification	CE / ROHS

MECHANICAL OUTLINE



Cabinet CFM6-1



Cabinet CFM6-2