

Backup power supply AC/DC ADM-SB-C13100 ***Input 230VAC – Output 24VDC or 48 VDC***

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

The ADM SB-C13100 range is especially dedicated to supply the coil and/or the motorization of MCB of MV and LV boards.

The option autonomy 2x30mn ensures conformity with the NF C13100 standard allowing a one-time renewable autonomy of 30 minutes by push button or remote control.



The advantages of ADM SB – C13100:

- Automatic battery test check regularly the functionality of the battery
- Low battery voltage contactor avoid any deep battery discharge
- 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.

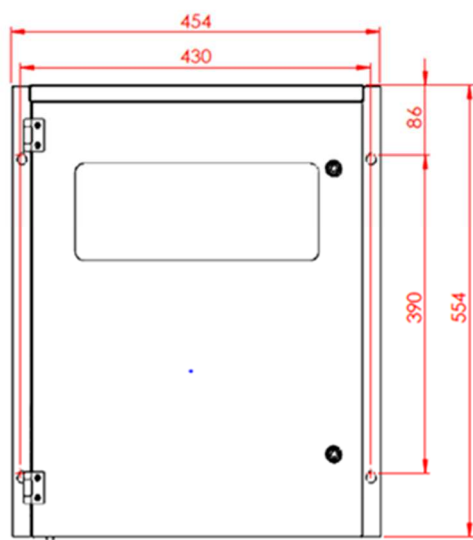
Options to adapt the power supply to your requirements:

- Internal coupling diode to allow two cabinets to be used in parallel and/or in redundancy,
- 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

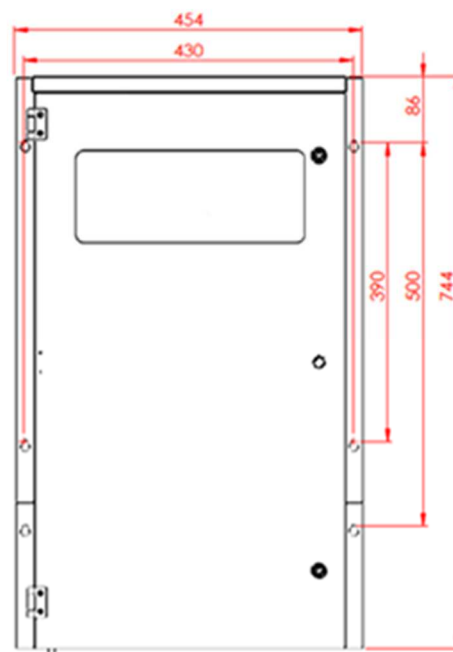
ADM-SB Range - general characteristics:

Description	Output Voltage (V)	User Current (A)	Battery Capacity (Ah)	Available Power Mains Present (W)	Available Power Mains Absent (W)			Dimension of cabinet (hxdxw in mm)
					60mn (30+30)	120mn (30+90)	180mn (30+150)	
ADM SB 230/24-05-07	24	5	7	120	106	60	44	554x313x454
ADM SB 230/24-10-14	24	10	14	240	211	120	88	554x313x454
ADM SB 230/24-10-27	24	10	26	240	379	218	157	554x313x454
ADM SB 230/24-20-27	24	20	26	502	379	218	157	554x313x454
ADM SB 230/24-30-42	24	30	42	750	587	331	240	554x313x454
ADM SB 230/24-60-84	24	60	84	1 512	1 174	662	480	744x313x454
ADM SB 230/48-05-07	48	5	7	240	211	120	88	554x313x454
ADM SB 230/48-05-14	48	5	14	240	422	241	175	554x313x454
ADM SB 230/48-10-14	48	10	14	504	422	241	175	554x313x454
ADM SB 230/48-10-27	48	10	26	504	758	437	314	554x313x454
ADM SB 230/48-15-27	48	15	26	753	758	437	314	554x313x454
ADM SB 230/48-30-42	48	30	42	1 536	1174	662	480	744x313x454

Mechanical outline:



Cabinet CFM6-1



Cabinet CFM6-2

FC-ADM-SB-C13100-EN-D

Les caractéristiques de cette plaquette commerciale n'ont pas de caractères contractuels, la société ENAG se réservant le droit de les modifier sans préavis.

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Technical specification

Electrical characteristics	
AC mains input	
Voltage / Frequency	90 to 264Vac single phase / 47 to 63Hz – three phase on demand
Input Protection	Fuse in standard Circuit breaker (with or without auxiliary contact) in option
Output voltage	
Nominal User Voltage :	24VDC –floating voltage 27.2Vcc 48VDC –floating voltage 54.4Vcc
Ripple voltage	< 1%
Power	120W to 1500W (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)	Reset button in front with mains present indicator Or Remote reset
Deep discharge battery protection	In standard
Automatic battery test	In standard
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

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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	IP 20 (IP23 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 C13100
Electrical Safety	IEC 60950-1
EMC - conducted	EN55022, EN61000-3-2, EN61000-3-3
EMC - radiated	EN55024, EN 61000-6-2
Certification	CE / ROHS

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