

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.

ADVANTAGES

- 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

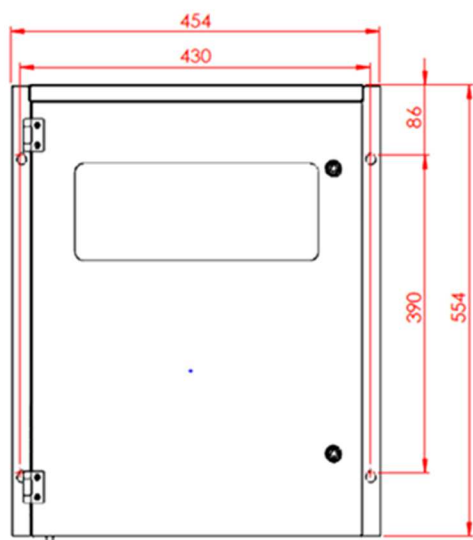
to adapt the power supply to your requirements

- 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

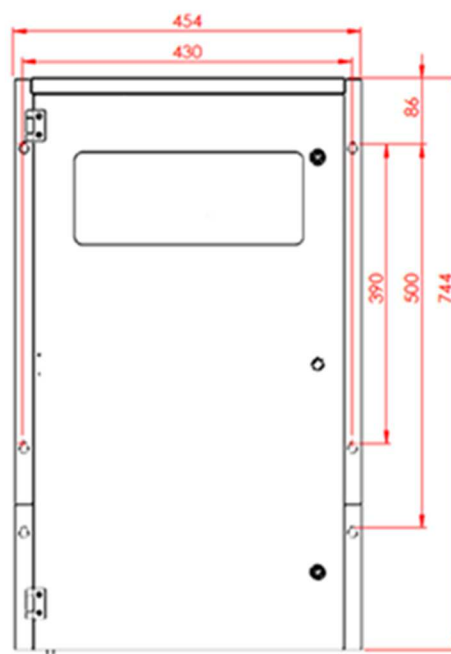
ADM-SB RANGE - GENERAL CHARACTERISTICS

DESCRIPTION	Output Voltage (V)	User Current (A)	Battery Capacity (Ah)	Available Power Mains Present (W)	Available Power Mains Absent (W)			Dimension of cabinet (h x d x w in mm)
					60mn (30+30)	120mn (30+90)	180mn (30+150)	
ADM SB 230/24-05-07	24	5	7	120	106	60	44	554 x 313 x 454
ADM SB 230/24-10-14	24	10	14	240	211	120	88	554 x 313 x 454
ADM SB 230/24-10-27	24	10	26	240	379	218	157	554 x 313 x 454
ADM SB 230/24-20-27	24	20	26	502	379	218	157	554 x 313 x 454
ADM SB 230/24-30-42	24	30	42	750	587	331	240	554 x 313 x 454
ADM SB 230/24-60-84	24	60	84	1 512	1 174	662	480	744 x 313 x 454
ADM SB 230/48-05-07	48	5	7	240	211	120	88	554 x 313 x 454
ADM SB 230/48-05-14	48	5	14	240	422	241	175	554 x 313 x 454
ADM SB 230/48-10-14	48	10	14	504	422	241	175	554 x 313 x 454
ADM SB 230/48-10-27	48	10	26	504	758	437	314	554 x 313 x 454
ADM SB 230/48-15-27	48	15	26	753	758	437	314	554 x 313 x 454
ADM SB 230/48-30-42	48	30	42	1 536	1174	662	480	744 x 313 x 454

MECHANICAL OUTLINE



Cabinet CFM6-1



Cabinet CFM6-2

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-C13100-EN-E

ADM-SB RANGE – TECHNICAL SPECIFICATION

INPUT

- AC Input: 90 to 264Vac single phase / three phase on demand
- Frequency 47 to 63Hz
- Input protection
 - fuse in standard
 - Circuit breaker (with or without auxiliary contact) in option

OUTPUT

- Nominal User Voltage
 - 24VDC –floating voltage 27.2Vcc
 - 48VDC –floating voltage 54.4Vcc
- Ripple voltage: < 1 %
- Power: 120W to 1500W
- Output protection
 - 1 output 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 possibilities available) in option
- Communication: Modbus RS485 or Modbus by TCP/IP in option

ENVIRONMENTAL SPECIFICATIONS

- Storage temperature: -20 to +45° C
- Working temperature: -10 to 45° C
- Relative humidity: 90% (no condensation)

MECHANICAL CHARACTERISTICS

- Dimensions: see table above
- IP Level: IP20 (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 & 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