

## ***Backup power supply AC/DC ADM-SB*** ***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.

These products are designed for industrial applications such as low voltage distribution panels back up, power sources for security lighting...

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



### ***The advantages of ADM SB:***

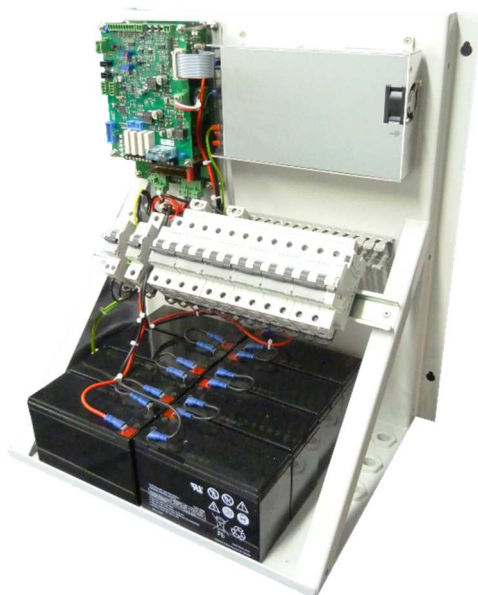
- Reduced size , weight and easy to install
- Robust, suited for working in harsh industrial environments.
- The power supply can be procured mounted on a panel for easy installation in your cabinet or in a cabinet for wall mounting.

### ***Options to adapt the power supply to your requirements:***

- Internal coupling diode to allow two cabinets to be used in parallel
- Automatic battery test check regularly the functionality of the battery
- Low battery voltage contactor avoid any deep battery discharge
- 2x30mn autonomy for conformity with NF C13100 standard
- 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) |
|---------------------|--------------------|------------------|-----------------------|-----------------------------------|----------------------------------|-------|-------|-------|------------------------------------|
|                     |                    |                  |                       |                                   | 30mn                             | 60mn  | 120mn | 180mn |                                    |
| ADM SB 230/24-05-07 | 24                 | 5                | 7                     | 120                               | 179                              | 106   | 60    | 44    | 554x313x454                        |
| ADM SB 230/24-10-14 | 24                 | 10               | 14                    | 240                               | 358                              | 211   | 120   | 88    | 554x313x454                        |
| ADM SB 230/24-10-27 | 24                 | 10               | 26                    | 240                               | 637                              | 379   | 218   | 157   | 554x313x454                        |
| ADM SB 230/24-20-27 | 24                 | 20               | 26                    | 502                               | 637                              | 379   | 218   | 157   | 554x313x454                        |
| ADM SB 230/24-30-42 | 24                 | 30               | 42                    | 750                               | 997                              | 587   | 331   | 240   | 554x313x454                        |
| ADM SB 230/24-60-84 | 24                 | 60               | 84                    | 1 512                             | 1 994                            | 1 174 | 662   | 480   | 744x313x454                        |
| ADM SB 230/48-05-07 | 48                 | 5                | 7                     | 240                               | 358                              | 211   | 120   | 88    | 554x313x454                        |
| ADM SB 230/48-05-14 | 48                 | 5                | 14                    | 240                               | 716                              | 422   | 241   | 175   | 554x313x454                        |
| ADM SB 230/48-10-14 | 48                 | 10               | 14                    | 504                               | 716                              | 422   | 241   | 175   | 554x313x454                        |
| ADM SB 230/48-10-27 | 48                 | 10               | 26                    | 504                               | 1 274                            | 758   | 437   | 314   | 554x313x454                        |
| ADM SB 230/48-15-27 | 48                 | 15               | 26                    | 753                               | 1 274                            | 758   | 437   | 314   | 554x313x454                        |
| ADM SB 230/48-30-42 | 48                 | 30               | 42                    | 1 536                             | 1994                             | 1174  | 662   | 480   | 744x313x454                        |



**Panel Version**



**Cabinet Version**

FC-ADM-SB-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            |   |
|---------------------------------------|---|
| <b>AC mains input</b>                 |   |
| Voltage / Frequency                   | 90 à 264Vac single phase / 47 to 63Hz – three phase on demand   |
| Input Protection                      | Fuse in standard<br>Circuit breaker (with or without auxiliary contact) in option                                       |
| <b>Output voltage</b>                 |   |
| Nominal User Voltage :                | 24VDC –floating voltage 27.2Vcc<br>48VDC –floating voltage 54.4Vcc  |
| Ripple voltage                        | < 1%  |
| Power                                 | 120W to 1500W (depending on model)  |
| Output protection                     | 1 Fuse in standard<br>Circuit breaker (with or without contact) in option<br>Number of outputs configurable from 1 to 6 |
| Internal isolation controller         | Option  |
| Coupling diode (for parallelization)  | Option  |
| <b>Battery</b>                        |   |
| Type                                  | VRLA standard (other – please consult ENAG)   |
| Autonomy                              | See table above   |
| Autonomy 2x30mn (Standard NF C13-100) | Option<br>Reset button in front with mains present indicator<br>Or<br>Remote reset                                      |
| Deep discharge battery protection     | Option  |
| Automatic battery test                | Option  |
| External battery box                  | Option  |
| <b>User Interface</b>                 |   |
| Display                               | LED Display in option<br>Analog voltmeter & ammeter in option<br>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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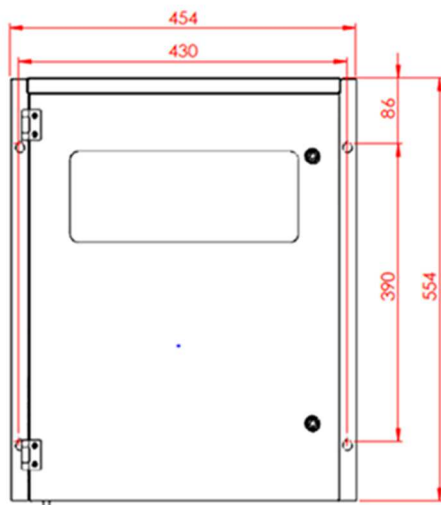
## Environmental and mechanical characteristics

|                                  |  |
|----------------------------------|--|
| 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                                 |

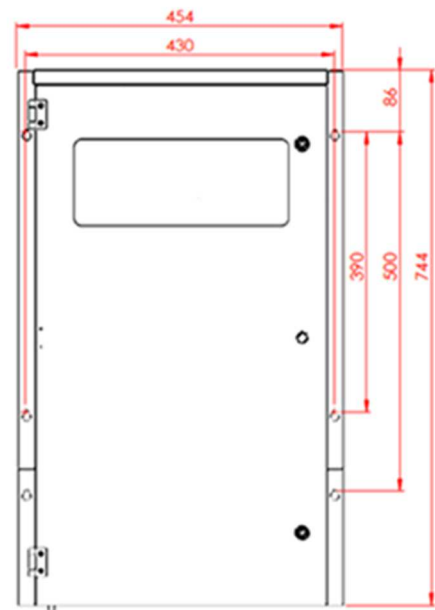
## Standards and certificates

|                                       |                                   |
|---------------------------------------|-----------------------------------|
| Distribution panel HV/MV (NF 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

FC-ADM-SB-EN-D

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