

## ***Mobile Booster for rail way industry – PSEA & PBD Range***

PSEA & PBD range of mobile starters is specially designed to power electrical equipment in 24Vdc, 72Vdc and 110Vdc without any connection to the grid 230Vac.

Ergonomic, light and easy to move, this equipment is very simple to use and handle in the maintenance workshop. Used to start thermal machines or raise a pantograph without being connected to the grid and so replacing the on-board batteries when discharged.

The energy is supplied by the batteries integrated in the mobile station. After use, the batteries is recharged by connecting the supply to the 230 Vac mains. The batteries are maintained on charge for the next utilisation.



These elements developed initially for the space industry have the following advantages:

- Very low internal resistance permitting currents 2 to 3 times higher than other batteries
- Works in extreme hot or cold conditions.
- Lifetime 2 times longer than traditional lead battery (4000 cycles)
- Shock and vibration resistance
- Can be assembled in any position

## Standard PSEA Range

|            |                     | Autonomy (at 20°C) |      |      |      |
|------------|---------------------|--------------------|------|------|------|
|            |                     | 5mn                | 10mn | 15mn | 30mn |
| PSEA 24/72 | Output voltage 24V  | 162A               | 105A | 75A  | 45A  |
|            | Output voltage 72V  | 54A                | 35A  | 25A  | 15A  |
| PSEA 36/72 | Output voltage 36V  | 108A               | 70A  | 50A  | 30A  |
|            | Output voltage 72V  | 54A                | 35A  | 25A  | 15A  |
| PSEA 110   | Output voltage 110V | 41A                | 26A  | 19A  | 11A  |



## Standard PBD Range

|           |                    | Output current (at 0°C following SAE standard) |
|-----------|--------------------|--|
| PBD 24/72 | Output voltage 24V | 2445A  |
|           | Output voltage 72V | 815A   |
| PBD 24    | Output voltage 24V | 815A   |



## Technical specifications

### Input:

- Voltage : 230Vac - 50Hz single phase

### Output :

- Voltage : 24Vcc, 72Vcc or 110Vcc
- + & – booster Cables : 10m

### Controls / display

- 1 remote control box equipped with a start button.
- 1 selection switch 24 V / 72 V, 1 user security key
- 1 ON indicator
- Start /stop switch
- Options on request: "fault " leds, emergency stop...

### Climatic specifications :

- Functional temperature: -25 à 50°C.
- Humidity : 0 to 95 % without condensation
- Protection against rain, external operation.

### Presentation :

- Mobile trolley.
- Colours: blue RAL 5012 and white RAL 7032.
- Inflatable wheels
- Storage of cables on a cable drum

### Mechanical characteristics:

- PSEA - on trolley
- H : 1200mm, W : 480mm, D : 200mm, Weight : 60kg
- PBD – on mobile desk
- H : 1245 mm, W : 670mm, D : 918mm, Weight : 130kg without cable

### Standard:

- NFC 15-100, NFC 52-100

FC-BOOSTER-EN-B

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.

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