

MOBILE BOOSTER

PSEA & PBD RANGE
RAILWAY INDUSTRY



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.

ADVANTAGES

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



MOBILE BOOSTER - MAIN TECHNICAL SPECIFICATION

INPUT

- Voltage: 230Vca - 50Hz single phase

OUTPUT

- Voltage: 24Vcc, 72Vcc ou 110Vcc
- + & – booster cables: 10m

CONTROL & DISPLAY

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

CLIMATICS 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 CHARACTERISTIQUES

PSEA – on trolley

- H 1200 mm, L 480 mm, D 200 mm
- Weight: 60 kg

PBD - on mobile desk

- H 1245 mm, L 670 mm, D 918 mm
- Weight: 130 kg without cable

STANDARDS

- NFC 15-100
- NFC 52-100



PSEA RANGE

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



PBD RANGE

		OUTPUT CURRENT (AT 0°C FOLLOWING SAE STANDARD)
PBD 24/72	Output voltage 24V	2445 A
	Output voltage 72V	815 A
PBD 24	Output voltage 24V	815 A