

MOBILE ENERGY WORKSHOP

NRM 95 TRAILER



APPLICATIONS

NRM 95 TRAILERS or **Mobile energy workshops** are self-contained "CONTROL, DRIVE & TELECOMMUNICATION" emergency power supplies for maintenance operations and rapid on-site breakdown repair.

They are the essential tool for all **UTILITY COMPANIES exposed networks or industrial sites**, both national or private where interruptions in service are not permitted: Electricity, rail, motorway and telecom networks and transit sites (port areas, airports), or energy equipment, chemical, petrochemical, pharmaceutical or other storage or transformation sites.

Self-contained NRM 95 mobile energy workshops can quickly replace **POWER UNITS** in **technical shelters** in urban environments or out in the country.

They provide a permanent 48 or 125 VDC supply for protection, automation and piloting equipment in these shelters (HV/MV stations, mode stirrers, signal panels, assignment boards, etc) with or without the presence of a 230 or 400Vac – 50/60Hz network.

ADVANTAGES

- The trailer can be towed by a family car (normal driving license).
- Recognised by **ELECTRICITY DISTRIBUTION COMPANIES**, which use them in their interventions on HV/MV sub-stations where rectifiers are specific to documents S711 in force on French government contracts at present.
- A self-contained charger / sealed lead acid battery transported by trailer.
- Surveillance systems and integrated alarms that can be remote controlled.
- Easy to use, thanks to the large number of accessible settings, to a wide range of input voltages, to the three flexible 20-metre cables supplied, fitted with detachable connectors (mains, continuous, failures) on the trailer side and which only need to be equipped on the technical shelter side, a benefit that considerably reduces intervention teams' mobilisation and intervention times...

The emergency power unit essential for your maintenance requirements and breakdown repairs on remote sites. It can be towed by a family vehicle and shortens your intervention times.

RANGE

A standard **NRM 95 mobile energy workshop** is available, containing:

- A 48V 50A and a 125V 25A charger unit (user selectable)
- Sealed lead acid battery ≥ 110 Ah, integrated into the trailer (serial or parallel coupling)
- In **48V** 50A operation (parallel battery coupling) provides 10 hours' autonomy with a 20A current and 3 hours' autonomy with a 50A current
- In **125V** 25A operation (serial battery coupling) gives 10 hours' autonomy with a 10A current and 3 hours' autonomy with a 25A current

Indicative values given as examples of autonomy (without any Vac network present)

CHARACTERISTICS

Mechanical characteristics

- Overall length: 2670 mm
- Overall width: 1580 mm
- Overall height: 1220 mm
- Gross loaded weight: < 900 kg or 0,9T (log-book)
- 1 axle with independent wheels and automatically damped suspension
- 1 Jockey wheel on the front
- 1 spare wheel
- 1 retractable support on the back
- 1 hitch ball $\varnothing 50$
- Inertia braking with return action
- Lighting and signalling
- Lockable battery cover
- Lockable control cabinet door
- Handles on the battery cover and cabinet door
- Top and bottom air-vents on the cover and the cabinet
- Isolating cover on battery terminals
- Stuffing-box sealing between the battery compartment and the charger
- Equipped with free maintenance sealed lead acid batteries
- A container for the three 20-metre flexible cables supplied, with plugs (mains, continuous, failures) on the trailer side only needing to be equipped on the sub-station side.

Electrical characteristics

- Supply: 400Vac 3-phase + neutral or 230Vac single phase +10% -10%
- Frequency: 50Hz
- Operating voltage: 48Vdc or 125Vdc continuous
- Calibre :
 - Electronic limitation 50A for 48 V rectifier
 - Electronic limitation 25A for 125V rectifier
- Regulation: +/- 1 % taking account of a variation in load of 5 to 100% and a variation in the mains supply of +/- 10%

