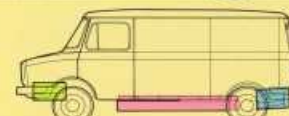
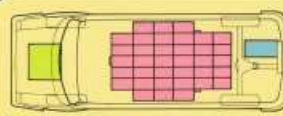
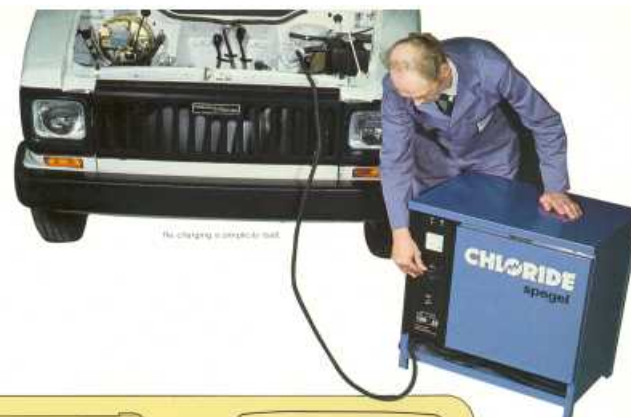




FREIGHT ROVER
SHERPA
Electric Vehicles



Key Features

Batteries

36 x 6-volt tubular "monobloc" units 216v
 188 Ah (C5), mounted underfloor

Drive Motor

Lucas CAV type MT305 40 kW DC
 separately excited

Controller

Lucas thyristor electronic with regenerative
 braking

Charger

Chloride Legg SP 108/30, 30 amp single
 phase with Spiegel control

DC/DC Converter

Lucas 25 amp

Heater

Paraffin/diesel 5 kW

Ancillaries

Exhauster (for vacuum brakes)
 12 volt auxiliary battery
 Battery state of charge indicator
 Forward/reverse selector

Specification

Maximum speed 50 mph (80 km/hr)
 Acceleration 0-30 mph (0-50 km/hr) 11 secs
 Range (city driving) 50-60 miles (80-100 km)
 Gross vehicle weight 3.5 tonnes
 Maximum payload 950 kg
 Maximum gradient 16% restart, laden



SHERPA Electric Vehicles

Common Lane Plant, Washwood Heath, Birmingham B8 2UP

IMPORTANT NOTICE

Freight Rover are constantly working hard to improve the specification, design and production of their vehicles and accessories. While every effort is being made to produce up-to-date literature, this should not be regarded as an ultimate guide to current specifications and prices. Customers are advised to refer to the latest literature for the latest information. Freight Rover are not responsible for any errors or omissions in this literature.

Lithographed by The Bedford Press Limited, Luton, Bedfordshire, England

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Published by No. 111 07

Freight Rover Sherpa Electric Vehicles. Cleaner, even more economical, and just as versatile.

Now the cleanliness and economy of electric power is available for a wider range of commercial vehicles than ever before. Freight Rover, in co-operation with Lucas Chloride EV Systems, offer a complete range of electrically powered Sherpa vehicles – panel van and bus.

Using the very latest technology, Sherpa Electric Vehicles are specifically designed for a wide range of hard working stop/start applications. It is the ideal vehicle for urban, site or plant delivery and maintenance operations.

Economical

A highly efficient drive system and energy saving regenerative braking means that Sherpa Electric Vehicles have very low energy consumption. An overnight recharge, using 'off peak' tariff gives a Sherpa Electric Vehicle a range of between 50 and 60 miles in city driving conditions. And that works out at an overall cost of as little as 2p a mile.

Clean

Where sound or chemical pollution is a critical factor, Sherpa Electric Vehicles are of inestimable value. An electric motor not only produces no exhaust fumes, but noise and vibration are greatly reduced, too.

Simple

Sherpa Electric Vehicles are extremely easy to drive. There is no clutch pedal or gear shift, and of course the usual problems associated with cold engine start and warm up no longer



The new Sherpa Electric Crossover is ideal for transport applications.

apply. Forward and reverse drive are selected by push button, and electronic control of a dc motor gives smooth acceleration. Regenerative retardation provides effortless braking during normal driving, but it is linked with a conventional, servo-assisted hydraulic system for all emergency situations.

Sherpa Electric, already operating in various applications, have shown that drivers adapt easily to driving an electric vehicle. Most of the controls, including the acceleration and



Energy saving electric vehicles are increasingly popular with public bodies.

brake pedals, are identical to the standard model, with the fuel gauge being replaced by a battery state-of-charge indicator. A paraffin or diesel fuelled 5kW heater provides efficient cab heating, totally independent of the drive system.

Batteries

Highly advanced Chloride 'tubular' lead-acid battery technology is used as the motive

power of Sherpa Electric Vehicles. This is a highly efficient, high-performance battery system that has been well-proven in a variety of hard-working every day applications. Batteries are situated below the vehicle floor for safety, stability and an uninterrupted load carrying area.

Re-charging

Re-charging is very simple. The Electric Vehicle is connected to its charger via a cable. Charging is then carried out automatically.

Maintenance

Maintenance costs of a Sherpa Electric Vehicle have proved to be up to 50% less than that of a conventional vehicle. There are fewer moving parts, and the electric drive components are built to last. There is no need for oil changes or filter replacements. There are no clutch, gearbox, ignition or exhaust system problems. Routine servicing is mainly confined to topping up the battery, an operation made even more simple by the centralised watering system.

Specialist service support is available for the drive system, and service contracts for either battery or complete drive system maintenance can be arranged.

The battery carries a four year warranty comprising two years free replacement, plus a further two years percentage warranty according to cost. There is a choice of using 250V or 440V 3 phase supply when charging the battery making for quick and simple ease of maintenance.



A choice of rear openings for greater versatility.



Easy loading through wide angle opening rear doors.



Uninterrupted load carrying area.



The new tubular chassis.