



MACBATEC MIDI

A powerful tool for saving money and protecting the environment

MACBATEC MIDI restores the power and doubles the life span of batteries providing increased productivity of battery powered equipment. The amount of lead batteries produced and recycled is reduced by half and at the same time the cost for batteries and transport is substantially reduced.

Climate smart solutions

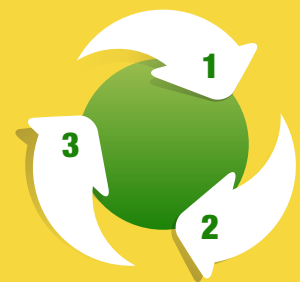
MACBATEC is an innovative and climate smart Spanish-Swedish Company. Our unique technology for cost effective re-use of lead-acid batteries is being used in 30 countries.

MACBATEC was established in 1998 as MACBAT and has become a true clean tech company. By our forceful expansion we are today a forerunner for ground-breaking total service concepts in the battery business where regeneration and re-use of batteries by means of MACBATEC Service significantly reducing the cost for batteries at improved performance before the battery eventually must be recycled.

MACBATEC cooperates with recognized and successful environmentally friendly battery producers. Together with our global cooperation partners we offer complete full-service agreements, including the supply of batteries, as well as the provision of MACBATEC Service and preventative battery maintenance.

Three great leaps ahead

- 1 Reduce**
- 2 Re-use**
- 3 Recycle**



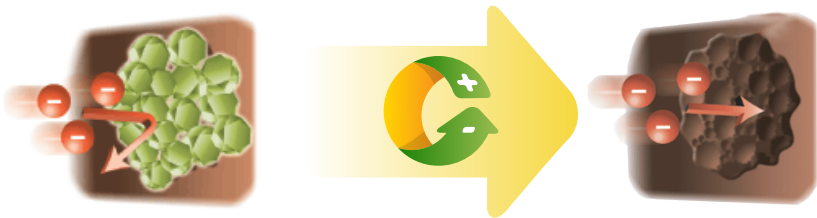
Why we are the superior choice

MACBATEC Service saves money for you and provides for a cleaner environment by:

- Reducing lead battery consumption to half or one third of today.
- Improving productivity and efficiency of battery powered systems.
- Minimizing your carbon footprint and boosting your environmental image.

The future has arrived

The unique MACBATEC technology converts inert lead sulphate crystals in tired and sulphated lead batteries into active material. MACBATEC easily restores lost capacity and extends the life span of the battery.



MACBATEC MIDI regenerates the batteries by means of carefully controlled current pulses which efficiently and gently convert inactive crystals into active material. MACBATEC MIDI is fully automatic controlled, also featuring manual mode for professional use. A MACBATEC Service is made yearly or biannually depending on the actual use of the battery.

Multiple benefits

Provided that the battery is mechanically intact, the MACBATEC Service can restore the capacity of the battery to near new conditions and easily double

the life span. Furthermore, the productivity is increased and the wear on electric components is reduced by the higher voltage of the battery and the subsequently lower current needed for performing a given task.

The efficiency of the battery is also

improved and the battery can be charged faster to higher energy content, decreasing the energy consumption every time the battery is charged.

Large savings at hand

One battery costs between € 3,000 – 8,000 and typically lasts for 3–6 years. With regular MACBATEC Services, the life span is doubled to 6–12 years and the cost for batteries is reduced to half. Together with the MACBATEC Services this reduces the total life cycle cost.



Full-Service Agreements

With our global cooperation partners, we can satisfy all your needs. MACBATEC Service can start with a single battery up to and including complete full-service agreements. Supply of new and/or re-used batteries as well as provision of MACBATEC Service and preventative maintenance can be provided at your location.



Technical Specifications



| MacBat Device | Mini | Midi | Maxi |
|------------------|----------------------------------|-----------|------------|
| Battery Voltage | 12 – 48 V | 24 - 80 V | 48 – 120 V |
| Battery Capacity | 800 Ah | 1.200 Ah | 1.800 Ah |
| Power Feed 400 V | D 25 A | D 32 A | D 63 A |
| CE Certified | EN 60335 and EN 61000 | | |
| IEC Certified | NEMKO CB Certificate (LVD & EMC) | | |



MACBATEC
best battery economy

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