

Also for
LiFePO4
batteries!



Designed and
developed
in the Netherlands

Proflin
battery chargers

SmartValue
service label

5 year
warranty

LBC 500S-SERIES

Multifunctional

The LBC 500S is designed by Xenteq as an multifunctional entry-level charger. Focus was a wide range of applications while keeping it simple in use. With its extensive features, ease of use and extremely silent operation this battery charger is ideal for professional and recreational users alike. All markets can benefit from LBC 500S, a quality charger that provides professional care for batteries.

Fully automatic charging process

This charger is suitable for all varieties of use. For example e.g. if the charger has a fixed connection to the battery and/or the mains. The charger automatically completes the charging process and will also start a new process when necessary. Once the charging process is completed the battery charge is maintained through trickle charging (float). When the battery is trickle charged for extended periods (e.g. winter storage), the charger will switch to a special maintenance phase to keep the battery in good condition. The charging status is shown on the front of the charger with three LEDs to easily read the charge status. The LBC charger can also function optimally when multiple power sources (alternator, solar panel, etc.) are connected during charging or while energy consumers are switched on.

Charge voltages

Each type of battery has its own charging specifications. Also the various battery brands can differ in their charging standards. For this reason the LBC charger has multiple charge settings to ensure that an optimal

charging process for all various types of batteries. The charge setting is easy to change with the push of a button. The charger is suitable for all lead-acid batteries and it has a special programme for LiFePO4 batteries. Various types of batteries can therefore be charged with the same LBC charger, while also keeping an eye on future developments.

Safety

The charging process is microprocessor controlled, which means that it is very accurate and, above all, very safe. The required reverse polarity and short-circuit protection are included, but the LBC 500S goes much further than that. The charger also contains for instance a triple-temperature protection (!) and the charging time, the input voltage and battery voltage are all monitored. And this is just a summary of all of the properties that the LBC 500S includes.

Temperature compensated charging

All models from the LBC 500S series have the ability for a temperature compensated charging process. By connecting the optional temperature sensor T-Sense1, the charging program is adjusted based on the battery temperature. This is the ideal situation in extreme conditions or sensitive batteries.

Power supply

The charger is also adjustable to be used as a power supply. This means that in this state consuming devices can be directly connected to the charger without the intervention of a battery.





All LBC 500S models have a charging cable of 1 meter with terminal rings. The included handy alligator clips also make the charger flexible in use.

Available models

Article	Voltage	Current	Dimensions	Weight
LBC 512-10S	12Vdc	10Amp.	20,4x13,3x5,9	1 kg
LBC 512-15S	12Vdc	15Amp.	23,3x13,3x5,9	1,25kg
LBC 512-20S	12Vdc	20Amp.	23,3x13,3x5,9	1,25kg
LBC 524-5S	24Vdc	5Amp.	20,4x13,3x5,9	1kg
LBC 524-10S	24Vdc	10Amp.	23,3x13,3x5,9	1,25kg

Tip

A minimum of 10% battery capacity is required as a charging current to ensure a good charging process. If the charging current is too low in relation, the battery could become damaged. The believe that any charger can completely charge any battery when given enough time comes with a certain element of risk. There is also a maximum charge linked to the charging current, depending on the type and brand of batteries. When the charger is used only to maintain the battery and not to completely charge it a smaller current would suffice.



Smart Value label

LBC 500S Series are fitted with the Smart Value service label, which is a guarantee of benefits and assurances when it comes to service. This is a unique added value for users of these chargers! Read more on our website.

Your dealer

Did you know?

LBC 500S is a complete a proprietary product of Xenteq, which means that customer-specific adaptations can be made, even for smaller quantities. This is a unique service that is very popular among professional users.

Accessories

T-Sense1

With this optional sensor, temperature compensated charging is possible.



PC 1

The optional PC1 mounting kit consists of two terminals for easy connection of the battery charger. This provides the charger with a fixed mounting, while still allowing for it to be easily removed and put back in place, without having to remove the screws. This is ideal for when you need to use the charger in multiple locations.



**The multifunctional charger
for professionals and
consumers!**