

LEV500 LI-ION CHARGER

A standard product that sets new standards



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Innovative charging technology for maximum mobility: Equipped with the experience of half a century, FRIWO is your ideal partner for charging technology. Whether large or small power, convection cooling, temperature monitoring, active battery equalization or communication via BUS systems: With extensive experience and high competence in the field of charging technology, FRIWO helps you to find the optimal solution for your specific requirements.

A STANDARD PRODUCT THAT SETS NEW STANDARDS

With the launch of the LEV500 Li-Ion charger, FRIWO is redefining charging technology for „green“ electric mobility in terms of robustness, efficiency and customizing.

From our market-leading position in the field of E-bike charging technology, we have been very familiar with the requirements for an optimal power supply for light electric vehicles for many years.

In addition to the shortest possible charging times, a maximum of user-friendliness is also of central importance for the design of our products in order to enable the user to experience limitless electromobility.



This includes not only the most convenient handling of the interfaces for the user, but also intelligent communication of the charging status, which in the case of the LEV500 takes place via LED indication.

The charger offers an output power of 500 watts at an input voltage of 220 - 240 V, output short-circuit protection, as well as overcurrent and overtemperature protection included.

The charger is ideally suited for the use on light electric vehicles, whereby it can be customized to the customer's specifications. This results in a wide range of possible applications, from E-scooters and E-bikes to wheelchairs, lawn mowers, golf caddies and industrial trucks in logistics.

Technical Specifications	Value	Unit
Cell type	Lithium Ions	
AC Input Voltage	195 – 280	V AC
AC Input Frequency	50 – 60	Hz
Nominal DC Output Power	500	W
DC Output Voltage	50,4 – 58,8	V
Efficiency	> 90	%
Communication Interface	CAN	
IP Class	65 IP	
DC Connector	Weipu 8Pol/Stäubli/on request	
DC cable length	120	cm
AC cable	EU / Asia / India	
AC cable length	50	cm
Storage temperature	-40... +70 / 10 to 95 rel. hum.	°C
Operating temperature	-20...+50 / 10 to 95 rel. hum.	°C
Markets	EU / Asia / India	

The LEV500 can be used in a variety of ways and in a wide range of environments. As with all our tailor-made products for „green“ electromobility, it goes without saying that the LEV500 also features extremely energy-efficient charging technology with minimal standby losses.

The upper part of the compact housing can be removed and mounted directly in the end application to use the charger as an onboard device. The charger is extremely quiet and can be customized according to customer requirements.

The LEV500 is produced according to IP65 protection class, is particularly suitable for demanding and harsh environments due to its dust and water resistance and ensures extra hygiene in critical areas.

The new charger is available from authorized regional distributors or directly from FRIWO.

THE ADVANTAGES AT A GLANCE

- Fanless design for silent charging processes
- IP65 protection class
- Can be used as onboard device
- Device status via LED indication
- Customer-specific scalable (customizing)
- Safety design according to IEC60335-1, IEC60335-2 -29
- Overvoltage protection & continuous short-circuit proof
- Unique, compact design



LEV500 - CHARGES WHAT MOVES US...



Golf caddies and trolleys



E-Bikes and Pedelecs



Wheelchairs



Robot lawn mowers and riding lawn mowers



E-Scooters



Industrial trucks

... AND MUCH MORE!

Do you have a special application and concerns about compatibility? Then give us a call or send us an E-Mail! Our Li-Ion charger LEV500 is an all-rounder that will also move your product in the right direction.



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