



# ELIPS 2000 & 3000 for Light Evs\*



## Overview

- > ELIPS 2000: 2 kW On-board charger with integrated DC/DC converter
- > ELIPS 3000: 3 kW On-board charger
- > Sealed design for high durability (water, dust, acid vapor)
- > Robust case against mechanical shocks & vibrations
- > Universal AC supply (85 to 265VAC – 50/60 Hz)
- > CANBUS connection for communication
- > Safety built-in (Thermal protection, short-circuit, polarity inversion)
- > Compatible with all battery types



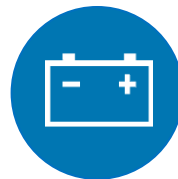
Sealed design



Vibration proof



Universal AC input



All battery Types



Programming & diagnostics

## Main applications

- > Light EVs
- > Utility Vehicles
- > Recreational Vehicles
- > Motorcycles

## Main features

With a compact design thanks to their high frequency electronics, the ELIPS2000 & ELIPS3000 chargers are perfect for integration into Light Electric Vehicles of any kind. Resisting high shock and vibration environments, they have been designed following Automotive Standards, with high durability. Connected via CAN bus, they can be easily programmed to fit the battery vehicle, whatever their characteristics.

### INPUT

Voltage : Universal 85 – 265V AC Single Phase

Mains Frequency 45 to 65 Hz

Power factor : > 0,99

Efficiency > 90%

### OUTPUT

Nominal Voltage : 48V (ELIPS 2000) / 72V (ELIPS 3000)

Max output power: 2 kW @ 230V (ELIPS2000)

3 kW @ 230V (ELIPS3000)

Max output current: 40 Amps

### COMMUNICATION BUS

CAN bus

Diagnostics on CAN

Programming possible via CAN

Serial port also available on ELIPS2000

### ELECTRONIC PROTECTION

Overload and output short-circuit

Over temperature and temperature regulation

Output over voltage / reverse polarity

### DC/DC CONVERTER (For ELIPS 2000)

12V 30A - Max 16 V

Max power 360W

### OPERATING TEMPERATURE

Temperature: -25°C to +50°C

Relative Humidity: 10% to 100%

### MECHANICAL FEATURES

Dimensions ELIPS 2000: H 406mm x L 208mm x W 68mm

Dimensions ELIPS 3000: H 320mm x L 256mm x W 100mm

Index Protection: IP66 (IP55 for additional fan)

Weight: ELIPS2000: 4,6 kg / ELIPS3000: 6,5 kg

## Communication

### Vehicle interface:

- CAN bus

### Diagnostics:

- CAN Bus

### Programming:

- CAN Bus
- Serial port

## Standard compliance

- ELIPS2000:
  - Safety: EN62368-1
  - EMC: EN 61851-21 / EN 61000-3-2  
CISPR22 / CISPR25
- ELIPS3000:
  - Safety: EN62368-1
  - EMC: EN 61851-21 / EN 61000-3-2



Light EVs



Light Utility Vehicles



Recreational Vehicles

\*This product is specifically designed, and is to be installed, as part of this type of equipment:

- Means of transport for persons or goods, excluding electric two-wheel vehicles which are not type-approved
- Non-road mobile machinery made available exclusively for professional use

This product fulfil its function only if it is part of this kind of equipment, and can be replaced only by the same specifically designed product.