



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)
- > CANBUS connection for communication
- > Safety built-in (Thermal protection, short-circuit, polarity inversion)
- > Compatible with all battery types



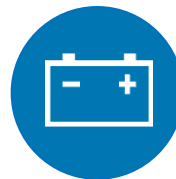
Sealed
Design



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 25A - 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



Electric Motorcycles