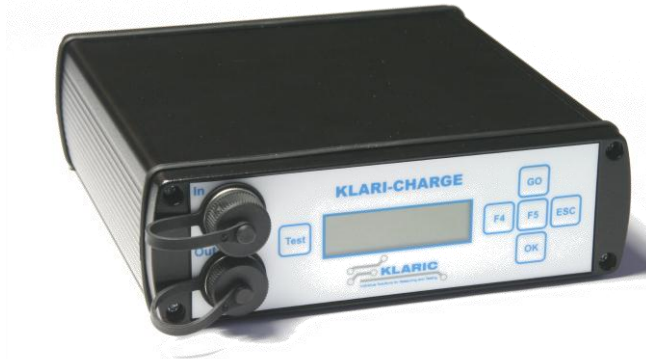




KLARI-CHARGE



THE REQUIREMENTS

- Stand-alone power supply for measuring modules in vehicles.
- Marginal impact on the on-board power supply.
- Easy to use.

FIELDS OF APPLICATION

- Power supply for measuring modules in vehicles, trucks and motorbikes, especially for long term measurements.

THE CONCEPT

- KLARI-CHARGE is a smart power supply unit with integrated rechargeable battery and charger.
- KLARI-CHARGE is supplied via the on-board power supply once the engine is running.
- Once the engine is running and the battery voltage is below the configurable limit the battery will be charged
- The auxiliary charge mode enables recharging the battery during long term measurements without engine operation.

THE DESIGN

- Compact and robust package with rechargeable Li-FePo4 battery in an IP65 aluminum casing.
- Membrane keyboard and LCD display for operation.

YOUR BENEFIT

- No gaps in recording, caused by empty batteries for measuring equipment.
- Protection of investment: KLARI-CHARGE can be utilized as power supply for various measuring modules.
- Trouble-free connection to the vehicle's on-board power supply.
- Ready for operation without configuration.

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KLARI-CHARGE

SPECIFICATIONS

Inputs / characteristics	<ul style="list-style-type: none">• 12 V / 24 V input for on-board power supply and charging
Battery	<ul style="list-style-type: none">• LiFePO4• Nominal voltage 13.2V• Nominal capacity 1.6Ah
Load current	<ul style="list-style-type: none">• max approx. 200 mA
Basic functionality	<ul style="list-style-type: none">• Measurement of on-board power supply voltage• Charging enabled by voltage detection once the engine is running (for 12 und 24 V on-board power supply systems)• Input to enable charging independent from on-board power supply voltage• Auxiliary charging: if the battery voltage is below a preset value the battery will be charged even the engine is "OFF".
Additional functions	<ul style="list-style-type: none">• 3 Setups with different capacity limits for recharging selectable• Battery test via key press• Auxiliary charging can be deactivated via jumper
Casing (LxWxH)	<ul style="list-style-type: none">• Aluminum casing, 170x170x55 mm
Power supply	<ul style="list-style-type: none">• via vehicle's on-board power supply or external 9...35 V DC
Current consumption	<ul style="list-style-type: none">• approx. 80 mA to 3 A (14 V)• approx. 40 mA to 1,5 A (28 V)
Charging time	<ul style="list-style-type: none">• max approx. 60 min, depending on ambient temperature and capacity limit setup
Temperature range	<ul style="list-style-type: none">• -20...+45°C
Insulating voltage	<ul style="list-style-type: none">• 50 V DC
Protection class	<ul style="list-style-type: none">• IP65

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