

FORSYS
CHARGERS

elpra sa
power electronics



FORSYS series Chargers are designed to charge lead acid batteries, according to the IUoU DIN 41772 specifications.

They include single or three phase thyristor controlled, or synchronous rectification active inverter type chargers.

They are micro controller driven.

They are user friendly with all the functional parameters programmable.

ELPRA SA

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Specifications:

- Micro-controller driven three stage chargers according to IUoU DIN41772 specifications.
- Full 4 digit led display for displaying all the working parameters.
- Non-volatile memory for storing all the working parameters to adapt optimally the local charging parameters. The default values are ready to serve the majority of the installations.
- Temperature compensated by $-4\text{mV}/^{\circ}\text{C}$ for "full battery" voltage threshold assures optimal four seasons operation.
- Adjustable max charging current from front panel potentiometer to suit the battery capacity and condition.
- Monitoring of the charging state, of the Ah sent to the batteries, of the actual battery voltage and temperature.
- Manually selectable equalizing charging state, with programmable voltage thresholds and duration.
- Fully isolated output.
- Extremely low EMI .
- Full EMC compliance.
- High efficiency.
- Input overvoltage protection.
- Soft start.
- Visual and audible two stage early warning alarms, signaling undesirable trends or situations.
- Automated and intelligent timed retrials after error conditions, to efficiently function even in unattended installations.
- Isolated RS232 output to monitor and log all the functional parameters.
- Monitoring software for Windows operating systems.
- Two years limited guarantee

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