



BATTERY CHARGER

## Powerful Solutions Partner

Micropower Group is a complete system supplier of industrial lithium-ion batteries, battery chargers, and power supplies. With its own R&D and production facilities, Micropower takes responsibility for the entire value chain, designing, manufacturing, and supplying battery and charging systems to customers and distributors worldwide.

# MICROPOWER SL

MODULAR & FULLY CONNECTED

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**MICROPOWER GROUP**<sup>™</sup>  
POWERFUL SOLUTIONS PARTNER

# MICROPOWER SL

## MODULAR CHARGER WITH FULL CONNECTIVITY

Micropower SL is a highly efficient, modular battery charger, consisting of up to four power units. The charger is fully compatible with smart software functionality and is easily connected via radio or Near Field Communication.

Micropower SL features a new, intuitive user interface. The charger is equipped with an LED panel on the front, alongside a color display providing access to advanced information and settings. Micropower SL is easy to install and can be quickly configured via the display or GET app, reducing downtime and minimizing costs.

The charger switches power units on or off as needed, maximizing efficiency and performance. With a focus on maximizing service life, cyclical rotation of the units ensures even usage, extending their lifespan to 30,000 hours, equivalent to at least 10 years of service. Even in the event of a unit failure, the charger maintains between 50-75% charging power, ensuring high availability at all times.

The series consists of 3-phase chargers with capacities up to 52kW and operates as stand-alone units with IP21. They are available for 480V, with DC output voltages ranging from 24V to 120V. The model program is optimized for lead-acid and lithium-ion batteries with CAN-bus communication, with 96V available in the lithium-ion version only. All models are UL Listed.



### Micropower SL chargers

- Color display with USB interface
- Designed for easy and fast service
- Redundant power units
- Full range of accessories, e.g. BMU (Battery Monitoring Unit), air pump, and Aquamatic
- Compatible with GET Fleet Management, Dynamic Power Limitation, Best Battery Choice
- Easy update via USB port or GET app
- Multiple charging algorithms



**High efficiency**  
Efficiency rate >90%



**Maximum flexibility**  
Multiple charging algorithms



**Modular concept**  
Maximized service life,  
availability and efficiency



**Low stand-by power**  
Stand-by power <10W



**Optimized air flow**  
Rugged cooling concept



**High power factor**  
Power factor >0.99

TECHNICAL DATA

MICROPOWER SL PB 3X480V

|                  | Primary Voltage | DC Volts | Max Current | Power | Amp Draw | Case | Output Cable |
|------------------|-----------------|----------|-------------|-------|----------|------|--------------|
| Micropower SL90  | 3x480           | 24V      | 200A        | 9kW   | 12A      | C    | Single       |
| Micropower SL120 | 3x480           | 24V      | 260A        | 12kW  | 16A      | C    | Single       |
| Micropower SL150 | 3x480           | 24V      | 350A        | 15kW  | 21A      | C    | Single       |
| Micropower SL170 | 3x480           | 24V      | 400A        | 17kW  | 24A      | C    | Single/Dual  |
| Micropower SL260 | 3x480           | 24V      | 600A        | 26kW  | 35A      | D    | Dual         |
| Micropower SL350 | 3x480           | 24V      | 800A        | 35kW  | 48A      | D    | Dual         |
| Micropower SL90  | 3x480           | 36V      | 200A        | 9kW   | 12A      | C    | Single       |
| Micropower SL120 | 3x480           | 36V      | 260A        | 12kW  | 16A      | C    | Single       |
| Micropower SL150 | 3x480           | 36V      | 350A        | 15kW  | 21A      | C    | Single       |
| Micropower SL170 | 3x480           | 36V      | 400A        | 17kW  | 24A      | C    | Single/Dual  |
| Micropower SL260 | 3x480           | 36V      | 600A        | 26kW  | 35A      | D    | Dual         |
| Micropower SL350 | 3x480           | 36V      | 800A        | 35kW  | 48A      | D    | Dual         |
| Micropower SL100 | 3x480           | 48V      | 165A        | 10kW  | 13A      | C    | Single       |
| Micropower SL110 | 3x480           | 48V      | 190A        | 11kW  | 16A      | C    | Single       |
| Micropower SL130 | 3x480           | 48V      | 220A        | 13kW  | 17A      | C    | Single       |
| Micropower SL150 | 3x480           | 48V      | 260A        | 15kW  | 20A      | C    | Single       |
| Micropower SL170 | 3x480           | 48V      | 300A        | 17kW  | 24A      | C    | Single       |
| Micropower SL190 | 3x480           | 48V      | 330A        | 19kW  | 26A      | C    | Single       |
| Micropower SL230 | 3x480           | 48V      | 400A        | 23kW  | 31A      | D    | Single/Dual  |
| Micropower SL290 | 3x480           | 48V      | 495A        | 29kW  | 39A      | D    | Dual         |
| Micropower SL350 | 3x480           | 48V      | 610A        | 35kW  | 47A      | D    | Dual         |
| Micropower SL380 | 3x480           | 48V      | 660A        | 38kW  | 53A      | D    | Dual         |
| Micropower SL110 | 3x480           | 80V      | 100A        | 11kW  | 13A      | C    | Single       |
| Micropower SL120 | 3x480           | 80V      | 130A        | 12kW  | 17A      | C    | Single       |
| Micropower SL170 | 3x480           | 80V      | 180A        | 17kW  | 24A      | C    | Single       |
| Micropower SL230 | 3x480           | 80V      | 230A        | 23kW  | 30A      | C    | Single       |
| Micropower SL250 | 3x480           | 80V      | 260A        | 25kW  | 34A      | C    | Single       |
| Micropower SL320 | 3x480           | 80V      | 330A        | 32kW  | 43A      | D    | Single       |
| Micropower SL370 | 3x480           | 80V      | 390A        | 37kW  | 50A      | D    | Single/Dual  |
| Micropower SL450 | 3x480           | 80V      | 470A        | 45kW  | 61A      | D    | Dual         |
| Micropower SL500 | 3x480           | 80V      | 520A        | 50kW  | 78A      | D    | Dual         |
| Micropower SL130 | 3x480           | 120V     | 90A         | 13kW  | 18A      | C    | Single       |
| Micropower SL180 | 3x480           | 120V     | 125A        | 18kW  | 24A      | C    | Single       |
| Micropower SL260 | 3x480           | 120V     | 180A        | 26kW  | 35A      | C    | Single       |
| Micropower SL390 | 3x480           | 120V     | 270A        | 39kW  | 52A      | D    | Single       |
| Micropower SL450 | 3x480           | 120V     | 310A        | 45kW  | 60A      | D    | Single       |
| Micropower SL520 | 3x480           | 120V     | 360A        | 52kW  | 70A      | D    | Single       |

CASE DIMENSIONS

| Case | Dimensions               |
|------|--------------------------|
| C    | 16.3"H × 22.8"W × 20.5"D |
| D    | 27.5"H × 22.8"W × 20.5"D |

TECHNICAL DATA

MICROPOWER SL LI 3X480V

|                  | Primary Voltage | DC Volts | Max Current | Power | Amp Draw | Case | Output Cable |
|------------------|-----------------|----------|-------------|-------|----------|------|--------------|
| Micropower SL90  | 3x480           | 24V      | 200A        | 9kW   | 12A      | C    | Single       |
| Micropower SL120 | 3x480           | 24V      | 260A        | 12kW  | 16A      | C    | Single       |
| Micropower SL150 | 3x480           | 24V      | 350A        | 15kW  | 21A      | C    | Single       |
| Micropower SL170 | 3x480           | 24V      | 400A        | 17kW  | 24A      | C    | Single/Dual  |
| Micropower SL260 | 3x480           | 24V      | 600A        | 26kW  | 35A      | D    | Dual         |
| Micropower SL350 | 3x480           | 24V      | 800A        | 35kW  | 48A      | D    | Dual         |
| Micropower SL90  | 3x480           | 36V      | 200A        | 9kW   | 12A      | C    | Single       |
| Micropower SL120 | 3x480           | 36V      | 260A        | 12kW  | 16A      | C    | Single       |
| Micropower SL150 | 3x480           | 36V      | 350A        | 15kW  | 21A      | C    | Single       |
| Micropower SL170 | 3x480           | 36V      | 400A        | 17kW  | 24A      | C    | Single/Dual  |
| Micropower SL260 | 3x480           | 36V      | 600A        | 26kW  | 35A      | D    | Dual         |
| Micropower SL350 | 3x480           | 36V      | 800A        | 35kW  | 48A      | D    | Dual         |
| Micropower SL100 | 3x480           | 48V      | 165A        | 10kW  | 13A      | C    | Single       |
| Micropower SL110 | 3x480           | 48V      | 190A        | 11kW  | 16A      | C    | Single       |
| Micropower SL130 | 3x480           | 48V      | 220A        | 13kW  | 17A      | C    | Single       |
| Micropower SL150 | 3x480           | 48V      | 260A        | 15kW  | 20A      | C    | Single       |
| Micropower SL170 | 3x480           | 48V      | 300A        | 17kW  | 24A      | C    | Single       |
| Micropower SL190 | 3x480           | 48V      | 330A        | 19kW  | 26A      | C    | Single       |
| Micropower SL230 | 3x480           | 48V      | 400A        | 23kW  | 31A      | D    | Single/Dual  |
| Micropower SL290 | 3x480           | 48V      | 495A        | 29kW  | 39A      | D    | Dual         |
| Micropower SL350 | 3x480           | 48V      | 610A        | 35kW  | 47A      | D    | Dual         |
| Micropower SL380 | 3x480           | 48V      | 660A        | 38kW  | 53A      | D    | Dual         |
| Micropower SL110 | 3x480           | 80V      | 100A        | 11kW  | 13A      | C    | Single       |
| Micropower SL120 | 3x480           | 80V      | 130A        | 12kW  | 17A      | C    | Single       |
| Micropower SL170 | 3x480           | 80V      | 180A        | 17kW  | 24A      | C    | Single       |
| Micropower SL230 | 3x480           | 80V      | 230A        | 23kW  | 30A      | C    | Single       |
| Micropower SL250 | 3x480           | 80V      | 260A        | 25kW  | 34A      | C    | Single       |
| Micropower SL320 | 3x480           | 80V      | 330A        | 32kW  | 43A      | D    | Single       |
| Micropower SL370 | 3x480           | 80V      | 390A        | 37kW  | 50A      | D    | Single/Dual  |
| Micropower SL450 | 3x480           | 80V      | 470A        | 45kW  | 61A      | D    | Dual         |
| Micropower SL500 | 3x480           | 80V      | 520A        | 50kW  | 78A      | D    | Dual         |
| Micropower SL100 | 3x480           | 96V      | 110A        | 10kW  | 17A      | C    | Single       |
| Micropower SL180 | 3x480           | 96V      | 160A        | 18kW  | 25A      | C    | Single       |
| Micropower SL250 | 3x480           | 96V      | 220A        | 25kW  | 34A      | C    | Single       |
| Micropower SL340 | 3x480           | 96V      | 300A        | 34kW  | 46A      | D    | Single       |
| Micropower SL380 | 3x480           | 96V      | 330A        | 38kW  | 51A      | D    | Single       |
| Micropower SL450 | 3x480           | 96V      | 390A        | 45kW  | 60A      | D    | Single/Dual  |
| Micropower SL130 | 3x480           | 120V     | 90A         | 13kW  | 18A      | C    | Single       |
| Micropower SL180 | 3x480           | 120V     | 125A        | 18kW  | 24A      | C    | Single       |
| Micropower SL260 | 3x480           | 120V     | 180A        | 26kW  | 35A      | C    | Single       |
| Micropower SL390 | 3x480           | 120V     | 270A        | 39kW  | 52A      | D    | Single       |
| Micropower SL450 | 3x480           | 120V     | 310A        | 45kW  | 60A      | D    | Single       |
| Micropower SL520 | 3x480           | 120V     | 360A        | 52kW  | 70A      | D    | Single/Dual  |