

BATTERY CHARGER

MICROPOWER ST

HIGH EFFICIENCY CHARGER WITH USER-FRIENDLY INTERFACE

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.

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MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

MICROPOWER ST

HIGH EFFICIENCY CHARGER WITH USER-FRIENDLY INTERFACE

The Micropower ST is a highly efficient charger featuring a user-friendly interface. With simple installation and quick configuration, your operations can be up and running swiftly. Its compact, robust housing keeps installation costs down, while high efficiency reduces energy waste and CO_2 emissions, making the Micropower ST a sustainable choice for your charging needs.

The Micropower ST100-145 extends the ST product family beyond the existing ST17-90 range, delivering output power up to 15kW and a 3-phase wide input range of 400-480 VAC, covering North American grids with a single solution. The ST145 delivers that 15kW in half the footprint of the Access 130 it replaces. The chargers operate as stand-alone units, with IP21 on the smaller ST17-90 models and IP20 on the larger ST100-145 models.

Up to 96% efficiency minimizes power loss and reduces CO_2 emissions. The ST17-90 version can handle up to 9kW power (12A input current), and the ST100-145 is available up to 15kW (19A input current), which enables e.g. 36V 300A, 48V 250A, 80V 150A, and 120V 100A output. This provides the perfect solution for different power grids and their fuses. All models are UL and cUL Listed.

Micropower ST features the well-known user interface from Micropower that is designed with the operator in mind.



Micropower ST chargers

- Maximum flexibility with multiple charging algorithms
- Embedded software functionality for Dynamic Power Limitation and Best Battery Choice
- Compatible with GET fleet management system
- Nominal voltage can be lowered (min. 6V)
- Optimized air flow and coating
- Low stand-by power <5W
- Full range of accessories, e.g. air pump, BMU (Battery Monitoring Unit), and Aquamatic



High efficiency
Efficiency rate up to 96%

Maximum flexibility
Multiple charging algorithms

Simple & fast installation
Pre-mounted accessories for wall and bench mounting

Low stand-by power
Stand-by power <5W

Optimized air flow
Rugged cooling concept

High power factor
Power factor 0.95





More information about Micropower ST at micropower-group.com

TECHNICAL DATA

MICROPOWER ST PB 17-90 3X480V

	Primary Voltage	DC Volts	Max Current	Power	Amp Draw	Case
Micropower ST17	3x480	24V	60A	1.7kW	2A	A
Micropower ST23	3x480	24V	80A	2.3kW	4A	A
Micropower ST40	3x480	24V	130A	4kW	5A	A
Micropower ST60	3x480	24V	200A	6kW	8A	A
Micropower ST50	3x480	36V	105A	5kW	6A	A
Micropower ST70	3x480	36V	170A	7kW	10A	A
Micropower ST50	3x480	48V	80A	5kW	6A	A
Micropower ST70	3x480	48V	130A	7kW	10A	A
Micropower ST90	3x480	80V	90A	9kW	12A	A

TECHNICAL DATA

MICROPOWER ST PB 100-145 3X480V

	Primary Voltage	DC Volts	Max Current	Power	Amp Draw	Case
Micropower ST100	3x480	24V	220A	10kW	13A	B
Micropower ST130	3x480	24V	300A	13kW	18A	B
Micropower ST100	3x480	36V	220A	10kW	13A	B
Micropower ST130	3x480	36V	300A	13kW	18A	B
Micropower ST100	3x480	48V	165A	10kW	13A	B
Micropower ST145	3x480	48V	250A	14.5kW	19A	B
Micropower ST145	3x480	80V	150A	14.5kW	19A	B
Micropower ST145	3x480	120V	100A	14.5kW	19A	B

MICROPOWER ST LI 17-90 3X480V

	Primary Voltage	DC Volts	Max Current	Power	Amp Draw	Case
Micropower ST17	3x480	24V	60A	1.7kW	2A	A
Micropower ST23	3x480	24V	80A	2.3kW	4A	A
Micropower ST40	3x480	24V	130A	4kW	5A	A
Micropower ST60	3x480	24V	200A	6kW	8A	A
Micropower ST50	3x480	36V	105A	5kW	6A	A
Micropower ST70	3x480	36V	170A	7kW	10A	A
Micropower ST50	3x480	48V	80A	5kW	6A	A
Micropower ST70	3x480	48V	130A	7kW	10A	A
Micropower ST90	3x480	80V	90A	9kW	12A	A

MICROPOWER ST LI 100-145 3X480V

	Primary Voltage	DC Volts	Max Current	Power	Amp Draw	Case
Micropower ST100	3x480	24V	220A	10kW	13A	B
Micropower ST130	3x480	24V	300A	13kW	18A	B
Micropower ST100	3x480	36V	220A	10kW	13A	B
Micropower ST130	3x480	36V	300A	13kW	18A	B
Micropower ST100	3x480	48V	165A	10kW	13A	B
Micropower ST145	3x480	48V	250A	14.5kW	19A	B
Micropower ST145	3x480	80V	150A	14.5kW	19A	B
Micropower ST145	3x480	120V	100A	14.5kW	19A	B

CASE DIMENSIONS

Case	Dimensions
A	13.3"H x 13.2"W x 9.4"D
A	21.3"H x 13.2"W x 9.4"D with option box
B	22.4"H x 10.5"W x 10.2"D

Case A with option box: allow min. 11.8" clearance above and on both sides.