



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 own production and R&D, we take responsibility for the whole chain where we develop, design and manufacture and supply battery and battery charging products and systems to customers and distributors worldwide.

Micropower Group AB
Gullhallavägen 20A
SE-352 50 Växjö Sweden

Phone: +46 (0)470 727 400
sales@micropower.se
www.micropower-group.com

MICROPOWER GROUPTM
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 and robust housing not only ensures cost-effectiveness but also contributes to a reduction in CO₂ emissions, making the Micropower ST a sustainable choice for your charging needs.

Micropower ST100-145 expands the ST 17-145 charger family with output power up to 14,5kW and 3-Phase wide input 380-440 VAC range to cover with one solution several markets (also outside Europe).

Up to 96% efficiency minimizes power loss and reduces CO₂ emissions. The ST17-90 version can handle up to 9kW power (16A input current), and the ST100-145 is available up to 14,5kW (32A input current) which enables us to get e.g. 36V 300A, 48V 250A, 80V 150A and 120V 100A output. This provides the perfect solution for different power grids and their fuses. The ST145 version is ½ the size as the existing comparable product.

Micropower ST features the well-known user interface from Micropower that is designed with the operator in mind. These products follow the design language already established




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 >0.99



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, aquumatic)



More information about Micropower ST at micropower-group.com

TECHNICAL DATA

MICROPOWER ST PB 17-90 3X380-440V

	Primary Voltage	Secondary Voltage	Current	Power	Ingress Protection
Micropower ST17	3x380-440V	24V	60A	1,7kW	IP21
Micropower ST20	3x380-440V	24V	80A	2,3kW	IP21
Micropower ST30	3x380-440V	24V	100A	3kW	IP21
Micropower ST40	3x380-440V	24V	130A	4kW	IP21
Micropower ST45	3x380-440V	24V	150A	4,5kW	IP21
Micropower ST60	3x380-440V	24V	200A	6kW	IP21
Micropower ST50	3x380-440V	36V	105A	5kW	IP21
Micropower ST60	3x380-440V	36V	130A	6kW	IP21
Micropower ST65	3x380-440V	36V	150A	6,5kW	IP21
Micropower ST70	3x380-440V	36V	170A	7kW	IP21
Micropower ST30	3x380-440V	48V	60A	3kW	IP21
Micropower ST50	3x380-440V	48V	80A	5kW	IP21
Micropower ST60	3x380-440V	48V	100A	6kW	IP21
Micropower ST70	3x380-440V	48V	130A	7kW	IP21
Micropower ST60	3x380-440V	80V	60A	6kW	IP21
Micropower ST80	3x380-440V	80V	80A	8kW	IP21
Micropower ST90	3x380-440V	80V	90A	9kW	IP21

MICROPOWER ST LI 17-90 3X380-440V

	Primary Voltage	Secondary Voltage	Current	Power	Ingress Protection
Micropower ST20	3x380-440V	24V	80A	2,3kW	IP21
Micropower ST30	3x380-440V	24V	100A	3kW	IP21
Micropower ST40	3x380-440V	24V	130A	4kW	IP21
Micropower ST45	3x380-440V	24V	150A	4,5kW	IP21
Micropower ST60	3x380-440V	24V	200A	6kW	IP21
Micropower ST50	3x380-440V	36V	105A	5kW	IP21
Micropower ST60	3x380-440V	36V	130A	6kW	IP21
Micropower ST65	3x380-440V	36V	150A	6,5kW	IP21
Micropower ST70	3x380-440V	36V	170A	7kW	IP21
Micropower ST30	3x380-440V	48V	60A	3kW	IP21
Micropower ST50	3x380-440V	48V	80A	5kW	IP21
Micropower ST60	3x380-440V	48V	100A	6kW	IP21
Micropower ST70	3x380-440V	48V	130A	7kW	IP21
Micropower ST60	3x380-440V	80V	60A	6kW	IP21
Micropower ST80	3x380-440V	80V	80A	8kW	IP21
Micropower ST90	3x380-440V	80V	90A	9kW	IP21

TECHNICAL DATA

MICROPOWER ST PB 100-145 3X380-440V

	Primary Voltage	Secondary Voltage	Current	Power	Ingress Protection
Micropower ST100	3x380-440V	24V	300A	10kW	IP20
Micropower ST100	3x380-440V	36V	220A	10kW	IP20
Micropower ST130	3x380-440V	36V	300A	13kW	IP20
Micropower ST100	3x380-440V	48V	165A	10kW	IP20
Micropower ST130	3x380-440V	48V	220A	13kW	IP20
Micropower ST145	3x380-440V	48V	250A	14,5kW	IP20
Micropower ST100	3x380-440V	80V	100A	10kW	IP20
Micropower ST120	3x380-440V	80V	130A	12kW	IP20
Micropower ST145	3x380-440V	80V	150A	14,5kW	IP20
Micropower ST120	3x380-440V	96V	100A	12kW	IP20
Micropower ST145	3x380-440V	120V	100A	14,5kW	IP20

MICROPOWER ST LI 100-145 3X380-440V

	Primary Voltage	Secondary Voltage	Current	Power	Ingress Protection
Micropower ST100	3x380-440V	24V	300A	10kW	IP20
Micropower ST100	3x380-440V	36V	220A	10kW	IP20
Micropower ST130	3x380-440V	36V	300A	12kW	IP20
Micropower ST100	3x380-440V	48V	165A	10kW	IP20
Micropower ST130	3x380-440V	48V	220A	12kW	IP20
Micropower ST145	3x380-440V	48V	250A	14,5kW	IP20
Micropower ST100	3x380-440V	80V	100A	10kW	IP20
Micropower ST120	3x380-440V	80V	130A	12kW	IP20
Micropower ST145	3x380-440V	80V	150A	14,5kW	IP20
Micropower ST120	3x380-440V	96V	100A	12kW	IP20
Micropower ST145	3x380-440V	120V	100A	14,5kW	IP20