MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

STAND ALONE CHARGER

SL 140-370

MODULAR CHARGER WITH FULL CONNECTIVITY



micropower-group.com

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YOUR POWERFUL SOLUTIONS PARTNER

Micropower Group develops and manufactures energy-efficient Lithium-Ion batteries, chargers, and power converters. With 40+ years of experience, we deliver high-quality systems and long-term value to leading OEMs through technical expertise, innovation, and reliability.

Intelligent Energy Solutions for a Sustainable Future

ABOUT MICROPOWER GROUP

Driving Electrification of Industry

Micropower enables industrial electrification through energy solutions tailored to real industrial applications. With deep system integration know-how and advanced battery expertise, we deliver efficient, high-performing technologies that support OEMs on their electrification journey.

In-house Development & Manufacturing

Our Nordic-based R&D and manufacturing ensure full process control and scalability. Our testing facilities support solution validation under real conditions. From prototype to volume, our industrialized setup enables efficient, high-quality production at scale.

Partnership Excellence

As a strategic partner, Micropower supports customers across the full electrification process. We ensure compliance, prioritize safety, and provide expert training. Our reliable delivery, short lead times, and dedicated support foster long-term collaboration.



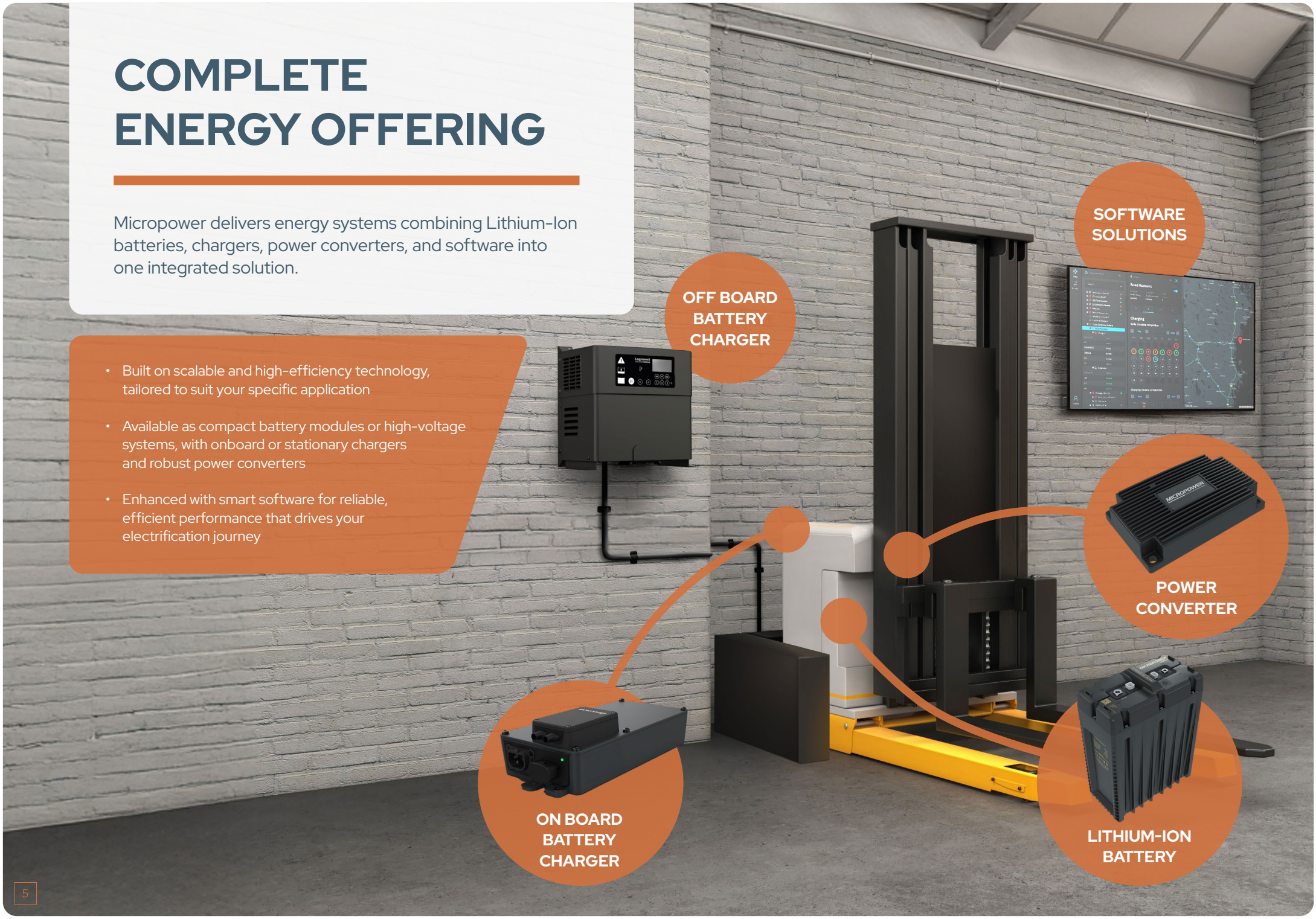




COMPLETE ENERGY OFFERING

Micropower delivers energy systems combining Lithium-Ion batteries, chargers, power converters, and software into one integrated solution.

- Built on scalable and high-efficiency technology, tailored to suit your specific application
- Available as compact battery modules or high-voltage systems, with onboard or stationary chargers and robust power converters
- Enhanced with smart software for reliable, efficient performance that drives your electrification journey



MICROPOWER SL STAND ALONE BATTERY CHARGER

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

Performance & Efficiency
Up to 96% efficiency minimizes power loss and reduces CO_2 emissions. The charger switches power units on or off as needed, maximizing efficiency and performance. The unit is designed for 30,000 hours. With the cyclical rotation we can increase the service life equivalent to at least 10 years of service. The SL version can handle up to 37kW power which enables us to get e.g. 48V 480A, 80V 390A, 96V 320A and 120V 260A output.

Unified design and interface
Micropower SL features a new intuitive user interface. The charger is equipped with an LED panel on the front, alongside an intuitive color display, providing access to advanced information and settings.

All included
- Color display with USB interface
- 10 Big LED's visualizing the charging status from a bigger distance
- Maximum flexibility with multiple charging algorithms
- Embedded software functionality for Dynamic Power Limitation and Best Battery Choice
- Compatible with GET fleet management system and the GET-APP

Up to 96% Efficiency	380-440 VAC	Up to 37 kW Output power



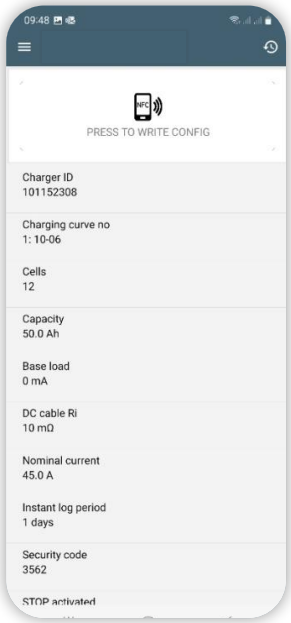
GET APP

Micropower SL is easy to check the status of the charger, check the configuration and change configuration if needed. Also a copy function makes it possible to transfer the config from one charger to an other one. Additionally it is possible to make a diagnostic report and share it as a common csv file.

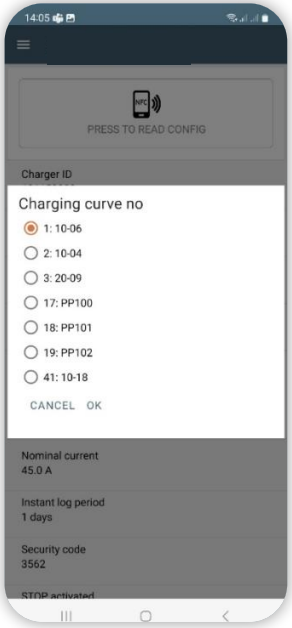




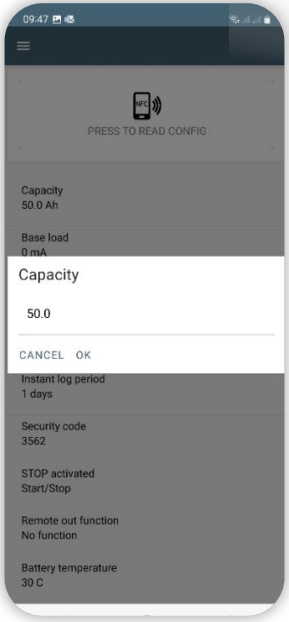
Status



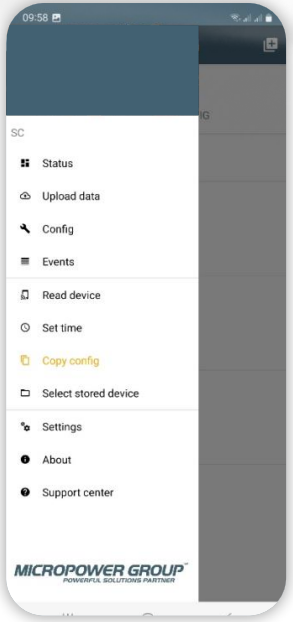
Check config



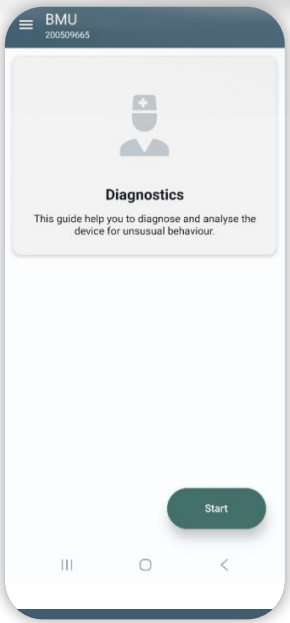
Change config



Change config



Copy config



Diagnostics

TECHNICAL SPECIFICATIONS

Technical specifications	
Output Power	Up to 37kW
Output Voltage	48-120V
Phase	3-phase
Mains Voltage	380-440VAC
Battery Types	Lead-acid and Lithium-Ion with CAN-bus communication
Supported Battery Technologies	Lead-acid (Wet, AGM, Gel) / Lithium-Ion (CAN-BMS controlled)
Charging Curves	Multiple user adjustable algorithms as standard incl. desulfation and deep discharged curves.

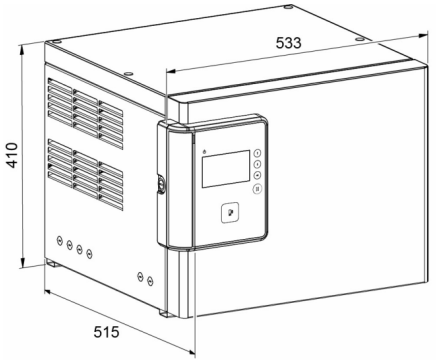
Product features	
Radio communication	Communication between chargers, BMU and GET connect
NFC communication	Communication to the GET-App
CAN Interface	Communication with Li-Battery (BMS) with different protocols
HMI (User Interface)	10 big LED's (Charging, Alarm, Charging finished) + 1 LED (AC-present)
Low stand-by power	<3,5W
High power factor	0,96
I/O boards	Optional available for integration with sub-systems

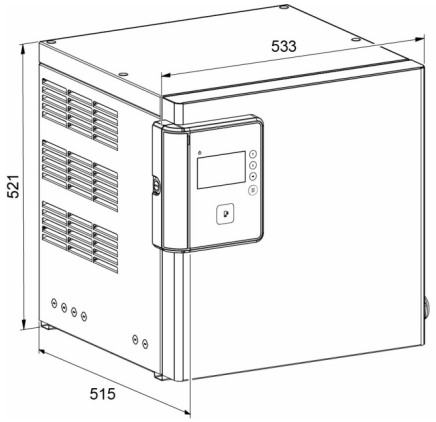
CERTIFICATIONS

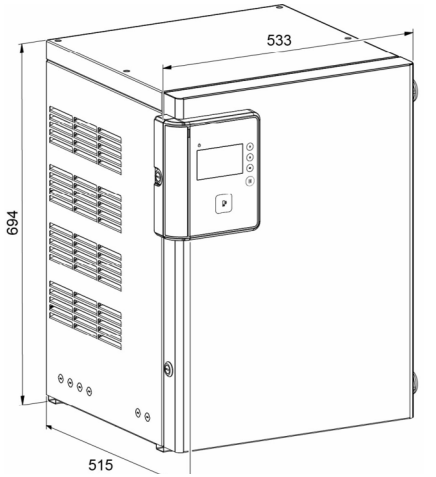
Safety	RED 2014/53/EU – RED 2022/30/EU IEC/EN 60335-1
Emissions & Immunity	RED 2014/53/EU – RED 2022/30/EU EN 61000-6-2, EN 61000-6-4, EN 61000-3-3, EN61000-3-12,

TECHNICAL DOCUMENTATION PORTAL

Micropower Support Center







TECHNICAL DATA

MICROPOWER SL PB 140-370 3X380-440V

Product	SL140	SL180	SL230	SL280	SL150	SL190	SL250	SL310	SL370	SL370	SL190	SL260	SL370
Part Number	DB4719-B1	DB4789-B1	DC4869-B1	DE4949-B1	DB6549-B1	DB6629-B1	DB6729-B1	DC6789-B1	DC6859-B1	DE6859-B1	DB7489-B1	DB7589-B1	DC7729-B1
Model	1A5B203	1A5B203	1A5B303	1A5B423	1A5B205	1A5B205	1A5B205	1A5B305	1A5B405	1A5B425	1A5B207	1A5B207	1AB307
Cabinet	CB/B2	CB/B2	CC/B3	CD/B4	CB/B2	CB/B2	CB/B2	CC/B3	CC/B3	CD/B4	CB/B2	CB/B2	CC/B3
Main data													
Output voltage (V)	48	48	48	48	80	80	80	80	80	80	120	120	120
Output current (A)	250	320	400	480	160	200	260	320	390	390	130	180	260
Number of phases	3	3	3	3	3	3	3	3	3	3	3	3	3
Rated voltage (V)	380-440 (50/60Hz)												
Current at nominal voltage 400Vac (A)	23,1	29,8	37,1	44,5	24,4	30,5	39,6	48,8	59,5	59,4	29,7	41,2	59,5
Battery connection													
Output cable length (m)	3	3	3	3	3	3	3	3	3	3	3	3	3
Output cable cross-selection (mm^2)	95	4/0 AWG	120	2x 4/0 AWG	50	70	95	4/0 AWG	120	2x70	50	70	95
Output cable terminals	M8	M8	M8	M8	M8	M8	M8	M8	M8	M8	M8	M8	M8
Output voltage (V)	48	48	48	48	80	80	80	80	80	80	120	120	120
Electric data													
Standby AC power consumption (W)	<3,5	<3,5	<3,5	<3,5	<3,5	<3,5	<3,5	<3,5	<3,5	<3,5	<3,5	<3,5	<3,5
Power consumption (W)	15306	19638	24565	29454	16157	20188	26223	32314	39292	39361	19673	27243	39346
Power factor	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96
Recom. Supply fuse class	C	C	C	C	C	C	C	C	C	C	C	C	C
Efficiency (%)	95	95	95	95	96	96	96	96	96	96	96	96	96

TECHNICAL DATA

MICROPOWER SL LI 140-370 3X380-440V

Product	SL140	SL180	SL230	SL280	SL150	SL190	SL250	SL310	SL370	SL370	SL180*	SL250*	SL370*	SL190	SL260	SL370
Part Number	EDB4719-B1	EB4789-B1	EC4869-B1	EE4949-B1	EB6549-B1	EB6629-B1	EB6729-B1	EC6789-B1	EC6859-B1	EE6859-B1	EB9549-B1	EB9669-B1	EC9789-B1	EB7489-B1	EB7589-B1	EC7729-B1
Model	1A5B203	1A5B203	1A5B303	1A5B423	1A5B205	1A5B205	1A5B205	1A5B305	1A5B405	1A5B425	1A5B206	1A5B206	1A5B306	1A5B207	1A5B207	1AB307
Cabinet	CB/B2	CB/B2	CC/B3	CD/B4	CB/B2	CB/B2	CB/B2	CC/B3	CC/B3	CD/B4	CB/B2	CB/B2	CC/B3	CB/B2	CB/B2	CC/B3
Main data																
Output voltage (V)	48	48	48	48	80	80	80	80	80	80	96	96	96	120	120	120
Output current (A)	250	320	400	480	160	200	260	320	390	390	160	220	320	130	180	260
Number of phases	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Rated voltage (V)	380-440 (50/60Hz)															
Current at nominal voltage 400Vac(A)	23,1	29,8	37,1	44,5	24,4	30,5	39,6	48,8	59,5	59,4	29,3	40,3	58,7	29,7	41,2	59,5
Battery connection																
Output cable length (m)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Output cable cross-selection (mm²)	95	4/0 AWG	120	2x 4/0 AWG	50	70	95	4/0 AWG	120	2x70	50	95	120	50	70	95
Output cable terminals	M8	M8	M8	M8	M8	M8	M8	M8	M8	M8	M8	M8	M8	M8	M8	M8
Output voltage (V)	48	48	48	48	80	80	80	80	80	80	96	96	96	120	120	120
Electric data																
Standby AC power consumption (W)	<3,5	<3,5	<3,5	<3,5	<3,5	<3,5	<3,5	<3,5	<3,5	<3,5	<3,5	<3,5	<3,5	<3,5	<3,5	<3,5
Power consumption (W)	15306	19638	24565	29454	16157	20188	26223	32314	39292	39361	19408	26640	38783	19673	27243	39346
Power factor	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96
Recom. Supply fuse class	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Efficiency (%)	95	95	95	95	96	96	96	96	96	96	96	96	96	96	96	96

PRODUCT TYPEKEY STRUCTURE

X Y Z UU T - AA B C DD [-OR_] EE

X	
Code	**Controll**
D	Micropower SL Pb
E	Micropower SL Li

Y	
Code	**Casing**
A	2PU cabinet, 1xPU, Casing B2 (only US)
B	2PU cabinet, 2xPU, Casing B2
C	3PU cabinet, 3xPU, Casing B3
D	4PU cabinet, 4xPU, Casing B4 (only US)
E	4PU cabinet, 3xPU, Casing B4 (dual output)
F	4PU cabinet, 3xPU, Casing B4 (only US)

Z	
Code	**DC Volt**
3	36
4	48
6	80
9	96
7	120

UU	
Code	**DC Current**
48	130
54	160
62	200
66	220
71	250
72	260
78	320
85	390
86	400
94	480

T	
Code	**AC Volt 3-Phase**
6	480
9	380-440

AA	
Code	**Branding/Certification**
B1	Micropower CE
B2	Micropower UR
B3	Micropower UL

B	
Code	**AC cable 3-Phase**
0	No AC cable
1	2,7m; CEE red (3P+N+E) 400V
4	2,7m; no connector
5	5m; CEE red (3P+N+E) 400V
6	5m; no connector
7	3m; CEE blue (3P+E) 250V
8	2,7m; CEE red (3P+E) 400V

C	
Code	**DC-Cable**
0	No DC cable
1	3m
2	5m
D	3m cold temp.
E	5m cold temp.

DD	
Code	**DC-Connector**
00	no DC-connector
02	MRC 80 (grey pin)
03	MRC 160 (grey pin)
04	MRC 320 (grey pin)
05	MRC 320 (red pin)
07	REMA DIN 80 (grey pin)
08	REMA DIN 160 (grey pin)
09	REMA DIN 320 (grey pin)
10	REMA DIN 640 (grey pin)
xx	And many more

EE	
Code	**Option**

COMPATIBLE OPTIONS/ACCESSORIES

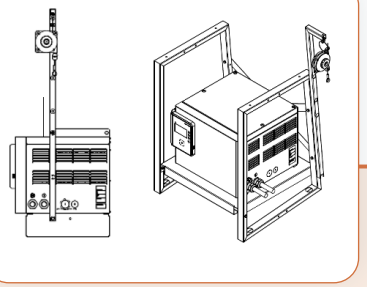
The SL-family of products has capability to support both Lead-Acid (Pb) batteries and Li-Ion batteries with BMS communication through CAN. In the table below you will find possible options and accessories. The Accessories are additionally packed to the charger. The Options are included in the product part number and are included included/attached to the charger.

				Pb	Li
				SL	SL
"External" Accessories	Pb and Li relevant		Cable Hook	○ 8580266	○ 8580266
			Tilt Lock	○ 8580265	○ 8580265
			Wall Bracket	○ 8580272	○ 8580272
			Shelf Stand	●	●
			Floor Stand	○ 11280242	○ 11280242
			LED Tower	○ 8580277	○ 8580277
			Air Filter	○ 2PU...8580270 ○ 3PU...8580297 ○ 4PU...2x8580270	○ 2PU...8580270 ○ 3PU...8580297 ○ 4PU...2x8580270
	Pb and Li relevant SL - Related		Balance Block	○ 8508269	○ 8508269
			Pogo Stick Holder	○ 8880268	○ 8880268
			Feet	●	●
			Rental Box	○ 11280086	○ 11280086
			Universal Bracket	○ 8580277	○ 8580277
-EE (partcode) Electrical options	Pb and Li relevant	Safe Disconnect	Via Aux DC-Plug	○ -01	○ -01
			Via Pilot DC-Plug	○ -02	○ -02
			Cable - Open End	○ -21	○ -21
		Others	1 Relay + CAN + no cable	○ -41	○ -41
			4 Relays (programmable) + 4 Dig. Inp	○ -12	○ -12
			1 Relay + CAN + no cable	○ -04	○ -04
			4 Relays (programmable) + 4 Dig. Inp	○ -18	○ -18
	Li relevant	MP Battery CAN/Pilot	no cables	✕	● -04
			via AUX/Pilot DC-Plug	✕	● -05
			cable - open end	✕	● -30
	Pb relevant	Air Pump	Air-Pump (230V 50Hz, pressure)	○ -05. -06	✕
		Aquamatic	Water filling (24VAC)	○ -31	✕

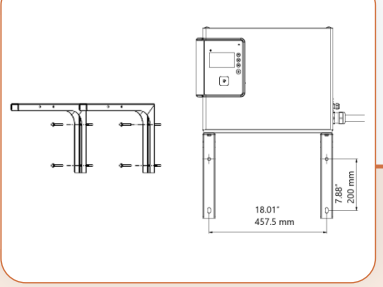
● Standard - included
○ Optional
✕ Not available

Combinations of different options are also possible, please contact your Micropower sales representative.

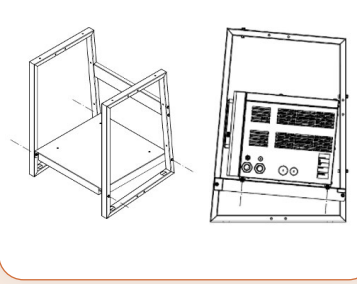
COMPATIBLE ACCESSORIES



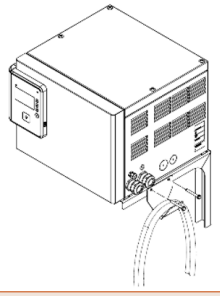
Balance block with Balancer 4,5-9kg must be mounted on a stand or universal bracket.



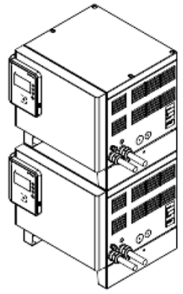
Wall stand can be used to mount the charger in a save way against a wall. For B2 and B3 cabinets.



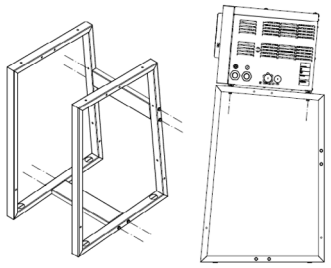
Rental Stand can be used to transport the charger in a safe way by using the forklift forks. Can be used for all cabinet sizes.



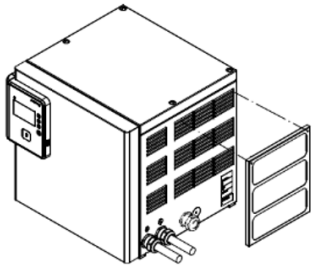
Cable Hook can be mounted on wall or floor stand, universal bracket or against a wall.



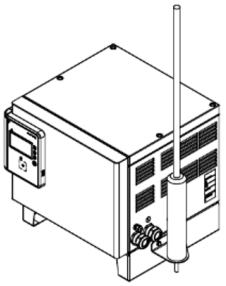
The universal mount can be used to ensure a clear distance from the ground and also to allow transport using forklift forks. In addition, the devices can also be stacked on top of each other.



Floor stand for stable and robust mounting. Can be used for all cabinet sizes.

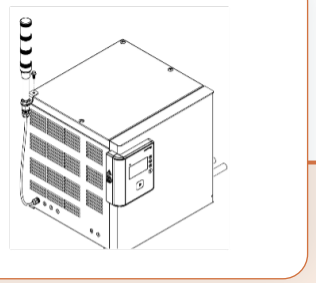


Air-Filter protects the device from dust particles in the air to ensure an even longer life expectancy.

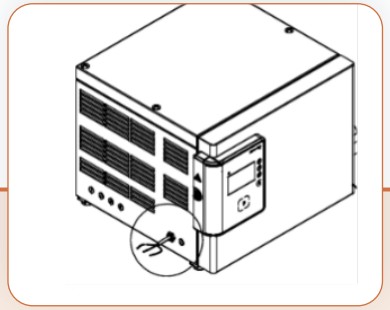


Pogostick holder can mounted to the wall, floor or rental stand as well to the universal bracket, to be used to mount a pogo stick to the charger.

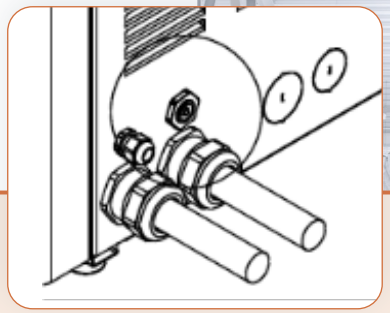
COMPATIBLE ACCESSORIES



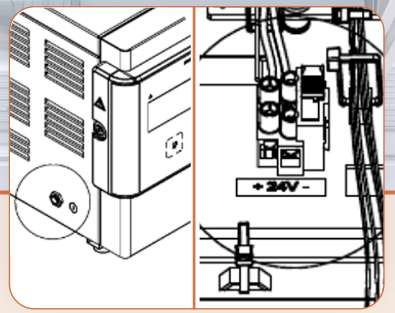
LED tower to show the status of the charger like a traffic light (IO Multi is needed with partcode -18



Water valve kit to power up a magnetic 24VAC valve to top the battery with distilled water (partcode (-31)



Air-Pump to blow air into a prepared Lead Acid battery available for different battery voltages and different AC power supplies. (partcode -05, -06)



24V DC Kit up to 2,5A can be used to power up external equipment (partcode -41)

MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER

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Learn more!

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