



SelectionION

Your charger for lithium-ion batteries

Fronius SelectION

For higher speed in intralogistics

With SelectION we offer a safe, efficient and flexible charging solution – that makes Plug & Charge to your new standard. Thanks to our intelligent CAN protocol, the Fronius BatteryLink, a seamless and fast communication between the charger and lithium-ion battery is guaranteed. No additional or manual settings are necessary. This ensures a safe and efficient charging process at any time.





Versatile and safe

Our SelectION lithium-ion
battery chargers

Charging efficiency to reduce total costs

SelectION chargers offer a high energy efficiency integrated in an exceptionally compact product design to accommodate to your changing business needs at lowest total costs. The light-weighted chargers can be applied wherever they optimize your workflows. Reduce your energy consumption and increases your return on invest with every charge.

High flexibility to meet your charging needs

Your charging needs are constantly evolving? Then SelectION is the right choice for you! All our chargers can be easily scaled to fit evolving charging requirements. Thanks to the multivoltage support lithium-ion batteries with different voltage classes (24 V-80 V) can be charged downward compatible with only one charger. Your advantages? Highest flexibility.

Smart engineering for high availability

We at Fronius Perfect Charging are committed to highest quality and smart engineering. Our chargers have an exceptionally long life expectancy and fulfill the highest product standards. Together with our low error rate our chargers enhance the charging processes to keep your electric forklift truck fleet moving. Impressive five year product warranty* included.

* Free warranty extension for end customers/users of the product.
Conditions and registration at
www.fronius.com/warrantyextension-pc

Your Benefits

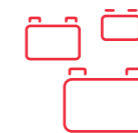
Benefit from flexible charging solutions with a competitive edge. Our SelectION chargers are designed to seamlessly integrate into and enhance your intralogistics operations.

Impressive simplicity



Save time with plug & charge

Thanks to our BatteryLink the charging process can be initiated in a fast and easy way.



Multivoltage - one charger many opportunities

Multivoltage capability enables one charger to charge lithium-ion batteries from 24 V-80 V, ensuring safe handling and flexibility for future growth.



Easy and safe operations

The intelligent battery charger automatically detects the battery voltage as soon as it is connected. No additional settings are necessary.



More choice of compatible batteries

Because of an automatic baudrate detection, SelectION chargers can communicate with a wide range of lithium-ion batteries.



Optimized charging experience



Reduce sparking at high currents to a minimum

If the charging lead is disconnected while charging is in progress, the external start/stop function prevents sparking due to leading contacts.



Customize to your specific needs

The display can be configured according to your needs to visualize the parameters that are most relevant to you.



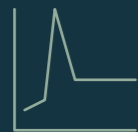
Voltage fluctuations?

The high mains tolerance of our chargers ensures a continuous operation even with voltage fluctuations from -15 % to +30 %*.

*not available for 3 kW



Easy energy management



Avoidance of expensive peak loads

A maximum AC power can be set for gentle charging over a certain period of time, helping to avoid expensive peak loads.



Make use of beneficial energy rates

The calendar function on our SelectION chargers makes time controlled-charging possible. Save costs by taking advantage of cheaper energy rates.



Better predictability and transparency

Optimize the efficiency of your charging processes by retrieving the data via the integrated USB port and analyzing the relevant statistics in i-SPoT Viewer.



Options

Connect to Charge & Connect

The gateway allows you to connect your charging infrastructure and visualize all charging data with our digital solution Charge & Connect.

Special charging plugs available

The REMA MRC400 (DIN 320) charging plug is part of our standard portfolio. Optionally, the REMA MRC 250 (DIN 160) is available for applications with limited installation space.

Remote control system

Ideal for monitoring your chargers even over larger distances - up to 30 m away.

Air filter to add

This provides effective protection against dirt for the interior of your battery charger and avoids short circuits.

LED Strip for fast charging status indication

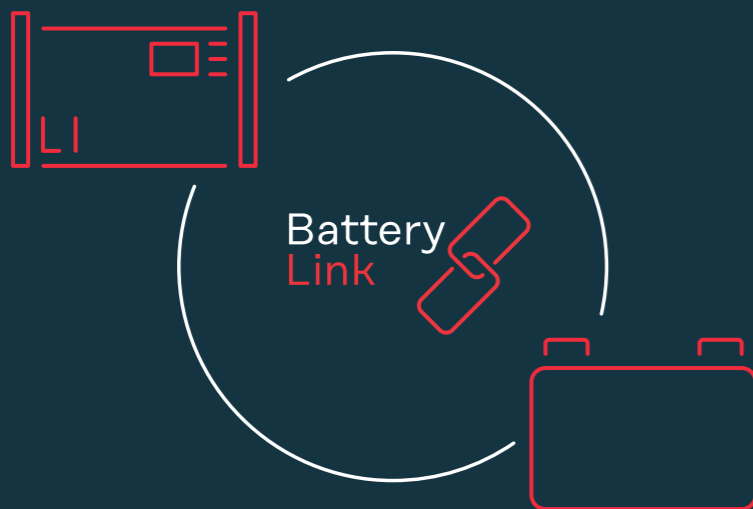
Indicates from a distance which traction battery is being charged, is already fully charged, or is cooled down and ready for use.



Fronius BatteryLink

Communication is key – not just in business life – also for our SelectION chargers. That's why we revolutionized the CAN Communication between the charger and the battery with one goal: to make the communication as easy and user-friendly as possible.

As soon as our protocol is implemented by the battery manufacturer, plug & charge is your new standard. Through an automatic baud rate detection, the charger adapts individually to your lithium-ion battery. Your benefit? Versatile charging ensuring highest levels of safety.



Technical Overview

Technical data

Device type	Phases	Mains voltage	Mains fuse	Max. charging current	Max. output power	Max. end-of-charge voltage
SelectION 3 kW 24 V	1	230 V AC (-15 % / +15 %)	16 A	120 A	3 kW	32,4 V
SelectION 5 kW 24 V	3	400 V AC (-10 % / +30 %)	16 A	200 A	5 kW	32,4 V
SelectION 8 kW 24 V	3	400 V AC (-10 % / +30 %)	16 A	350 A	8 kW	32,4 V
SelectION 3 kW 48 V	1	230 V AC (-15 % / +15 %)	16 A	60 A	3 kW	64,8 V
SelectION 8 kW 48 V (3*220 V)	3	220 V AC (-10 % / +30 %)	32 A	160 A	8 kW	64,8 V
SelectION 9 kW 48 V	3	400 V AC (-10 % / +30 %)	16 A	185 A	9 kW	64,8 V
SelectION 12 kW 48 V	3	400 V AC (-10 % / +30 %)	32 A	250 A	12 kW	64,8 V
SelectION 18 kW 48 V	3	400 V AC (-10 % / +30 %)	32 A	325 A	18 kW	64,8 V
SelectION 9 kW 80 V	3	400 V AC (-10 % / +30 %)	16 A	110 A	9 kW	108 V
SelectION 17 kW 80 V	3	400 V AC (-10 % / +30 %)	32 A	210 A	17 kW	108 V
SelectION 30 kW 80 V	3	400 V AC (-10 % / +30 %)	63 A	375 A	30 kW	108 V

Options

Options	SelectION 3 kW 24 V 3 kW 48 V	SelectION 5 kW 24 V 9 kW 48 V 9 kW 80 V	SelectION 8 kW 48 V 17 kW 80 V	SelectION 8 kW 24 V 18 kW 48 V	SelectION 30 kW 80 V
Gateway Link	• ³⁾	•	•	•	•
Gateway WLAN/LAN	•	•	•	•	•
Remote control system (Length 30 m)	• ³⁾	•	•	•	•
LED-stripe	•	•	•	•	•
Floor bracket	•	•	•	•	standard
Wall bracket ²⁾	•	•	•	•	-
Carrying strap + carrying bar	• ¹⁾	•	•	-	-
Air-filter ³⁾	•	•	•	•	•
IP23 ³⁾	-	•	•	•	-
Label „Safety Check“	•	•	•	•	•
Dealer text	free of charge	free of charge	free of charge	free of charge	free of charge
Warranty extension up to + 12 month ⁴⁾	•	•	•	•	•
Warranty extension up to + 36 month ⁴⁾	•	•	•	•	•

¹⁾ A carrying bar is not available here.

²⁾ The wall bracket can also be used as a floor bracket.

³⁾ These options cannot be combined.

⁴⁾ Extended warranty at extra charge applies to dealers and resellers only. In case of several options, please contact your Fronius contact person.



SelectION 3 kW 24 V / 3 kW 48 V

Dimensions W/H/D: 417 x 198 x 110 mm Mains lead: 2,5 m
Weight including charging and mains leads: 9 kg Charging lead: 3 m
Protection class: IP21



SelectION 5 kW 24 V / 9 kW 48 V / 9 kW 80 V

Dimensions W/H/D: 633 x 344 x 180 mm Mains lead: 3 m
Weight including charging and mains leads: 23 kg Charging lead: 3 m
Protection class: IP20



SelectION 8 kW 48 V / 17 kW 80 V

Dimensions W/H/D: 647 x 392 x 247 mm Mains lead: 3 m
Weight including charging and mains leads: 37 kg Charging lead: 3 m
Protection class: IP20



SelectION 8 kW 24 V / 12 kW 48 V / 18 kW 48 V

Dimensions W/H/D: 785 x 392 x 247 mm Mains lead: 3 m
Weight including charging and mains leads: 47 kg Charging lead: 3 m
Protection class: IP20



SelectION 30 kW 80 V

Dimensions W/H/D: 780 x 1090 x 369 mm Mains lead: 3 m
Weight including charging and mains leads: 110 kg Charging lead: 3 m
Protection class: IP20

Operating conditions:

Temperature: -20 to +40 °C
Relativ humidity: max. 85 %
Test mark: CE conformity, (UK CA) EMC Emission class: B

All SelectION chargers can only be used with batteries having implemented the Fronius BatteryLink.

Technology-independent solutions

We at Fronius are driven by the aspiration to find your ideal charging solution in intralogistics, independent of technology and always with the aim of reducing your overall total costs, energy consumption and risks. Building on more than 75 years of experience we continue our advanced development standards for lead-acid batteries in the lithium-ion technology.

The SelectION charger family combines our renowned Fronius quality with the power and speed needed for lithium-ion batteries.





Thinking Beyond Charging

Complete solutions

We offer a comprehensive portfolio for your charging infrastructure - from useful charging and safety modules to intelligent information and management systems - tailored to your requirements.

Connected charging solutions - Charge & Connect

Fronius Charge & Connect offers a variety of new opportunities to increase the efficiency and performance of your charging infrastructure. All charging data, such as charging states and processes, are transmitted and visualized in real time. The resulting transparency offers new potential and optimization possibilities to operate a cost-efficient overall system.

Sustainable charging solutions

As environmental regulations and laws are becoming stricter, sustainable technologies are increasingly in demand - especially for energy supply. We support you in getting your company fit for the future: Through a switch to electrified industrial trucks, the use of efficient charging devices or the combination of battery charging technology and photovoltaics.

Further information:

www.fronius.com/selection

www.fronius.com/intralogistics

www.linkedin.com/showcase/perfectcharging/

www.youtube.com/FroniusCharging

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