



# SELECTIVA 2, 3, 8 & 16KW FIRMWARE UPDATE 1.10.0.0

## GENERAL INFORMATION

The current Software-Update from version 1.9.3.0 to version 1.10.0.0 is according to the following devices

## TYPE LIST

Selectiva 2040 2kW  
Selectiva 2050 2kW  
Selectiva 2060 2kW  
Selectiva 2070 2kW  
Selectiva 2080 3kW  
Selectiva 2100 3kW  
Selectiva 2120 3kW

Selectiva 4020 2kW  
Selectiva 4035 2kW  
Selectiva 4045 3kW  
Selectiva 4060 3kW

Selectiva 2100 8kW  
Selectiva 2120 8kW  
Selectiva 2140 8kW  
Selectiva 2160 8kW  
Selectiva 2180 8kW  
Selectiva 2200 8kW

Selectiva 4060 8kW  
Selectiva 4075 8kW  
Selectiva 4090 8kW  
Selectiva 4120 8kW  
Selectiva 4120 3x220 16kW  
Selectiva 4140 8kW  
Selectiva 4140 3x220 16kW  
Selectiva 4160 8kW  
Selectiva 4160 3x220 16kW

Selectiva 8040 8kW  
Selectiva 8060 8kW  
Selectiva 8075 8kW  
Selectiva 8090 8kW  
Selectiva 8120 16kW  
Selectiva 8140 16kW  
Selectiva 8160 16kW  
Selectiva 8180 16kW  
Selectiva 8140 16kW  
Selectiva 8160 16kW  
Selectiva 8180 16kW

## IMPROVEMENTS

/ Sparepart availability

To ensure long-term repair- or serviceability, so that the charger recognizes the spare parts correctly.



# SELECTIVA 2, 3, 8 & 16KW FIRMWARE UPDATE 1.9.3.0

## ALLGEMEINE INFORMATION

The current Software-Update from version 1.9.2.0 to version 1.9.3.0 is according to the following devices

## TYPENAUFLISTUNG

Selectiva 2040 2kW	Selectiva 2100 8kW	Selectiva 8040 8kW
Selectiva 2050 2kW	Selectiva 2120 8kW	Selectiva 8060 8kW
Selectiva 2060 2kW	Selectiva 2140 8kW	Selectiva 8075 8kW
Selectiva 2070 2kW	Selectiva 2160 8kW	Selectiva 8090 8kW
Selectiva 2080 3kW	Selectiva 2180 8kW	Selectiva 8120 16kW
Selectiva 2100 3kW	Selectiva 2200 8kW	Selectiva 8140 16kW
Selectiva 2120 3kW		Selectiva 8160 16kW
	Selectiva 4060 8kW	Selectiva 8180 16kW
Selectiva 4020 2kW	Selectiva 4075 8kW	Selectiva 8140 16kW
Selectiva 4035 2kW	Selectiva 4090 8kW	Selectiva 8160 16kW
Selectiva 4045 3kW	Selectiva 4120 8kW	Selectiva 8180 16kW
Selectiva 4060 3kW	Selectiva 4120 3x220 16kW	
	Selectiva 4140 8kW	
	Selectiva 4140 3x220 16kW	
	Selectiva 4160 8kW	
	Selectiva 4160 3x220 16kW	

## VERBESSERUNGEN

/ Equalising charge extension

Previously it was not possible to set the duration of the equalising charge when using the Ri charging characteristic. It is now possible to set the duration to anywhere between 1 and 12 hours. The standard value is 2 hours.

/ Data download

When downloading data using a USB flash drive, select the time period (1 month, 3 months, all, etc.) and then press the „Stop/Start“ button to confirm your selection. Once your selection has been confirmed, an information box appears stating that the download may take several minutes. This should also be confirmed using the „Stop/Start“ button. Otherwise, the download will start automatically after 1 minute.



# SELECTIVA 2, 3, 8 & 16KW FIRMWARE UPDATE 1.9.2.0

## ALLGEMEINE INFORMATION

The current Software-Update from version 1.9.0.0 to version 1.9.2.0 is according to the following devices

## TYPENAUFLISTUNG

Selectiva 2040 2kW	Selectiva 2100 8kW	Selectiva 8040 8kW
Selectiva 2050 2kW	Selectiva 2120 8kW	Selectiva 8060 8kW
Selectiva 2060 2kW	Selectiva 2140 8kW	Selectiva 8075 8kW
Selectiva 2070 2kW	Selectiva 2160 8kW	Selectiva 8090 8kW
Selectiva 2080 3kW	Selectiva 2180 8kW	Selectiva 8120 16kW
Selectiva 2100 3kW	Selectiva 2200 8kW	Selectiva 8140 16kW
Selectiva 2120 3kW		Selectiva 8160 16kW
	Selectiva 4060 8kW	Selectiva 8180 16kW
Selectiva 4020 2kW	Selectiva 4075 8kW	Selectiva 8140 16kW
Selectiva 4035 2kW	Selectiva 4090 8kW	Selectiva 8160 16kW
Selectiva 4045 3kW	Selectiva 4120 8kW	Selectiva 8180 16kW
Selectiva 4060 3kW	Selectiva 4120 3x220 16kW	
	Selectiva 4140 8kW	
	Selectiva 4140 3x220 16kW	
	Selectiva 4160 8kW	
	Selectiva 4160 3x220 16kW	

## VERBESSERUNGEN

/ Equalising charge extension

Previously it was not possible to set the duration of the equalising charge when using the Ri charging characteristic. It is now possible to set the duration to anywhere between 1 and 12 hours. The standard value is 2 hours.

/ Data download

When downloading data using a USB flash drive, select the time period (1 month, 3 months, all, etc.) and then press the „Stop/Start“ button to confirm your selection. Once your selection has been confirmed, an information box appears stating that the download may take several minutes. This should also be confirmed using the „Stop/Start“ button. Otherwise, the download will start automatically after 1 minute.

# SELECTIVA 2, 3, 8 & 16kW FIRMWARE UPDATE 1.9.0.0

## GENERAL INFORMATION

2kW & 3kW: The current Software-Update from version 1.8.1.0 to version 1.9.0.0 is according to the following devices

8kW & 16kW: The current Software-Update from version 1.8.3.0 to version 1.9.0.0 is according to the following devices

## TYPES

Selectiva 2040 2kW	Selectiva 2120 8kW	Selectiva 4160 8kW
Selectiva 2050 2kW	Selectiva 2140 8kW	Selectiva 4160 3x220 16kW
Selectiva 2060 2kW	Selectiva 2160 8kW	
Selectiva 2070 2kW	Selectiva 2180 8kW	Selectiva 8040 8kW
Selectiva 2080 3kW	Selectiva 2200 8kW	Selectiva 8060 8kW
Selectiva 2100 3kW		Selectiva 8075 8kW
Selectiva 2120 3kW	Selectiva 4060 8kW	Selectiva 8090 8kW
	Selectiva 4075 8kW	Selectiva 8120 16kW
Selectiva 4020 2kW	Selectiva 4090 8kW	Selectiva 8140 16kW
Selectiva 4035 2kW	Selectiva 4120 8kW	Selectiva 8160 16kW
Selectiva 4045 3kW	Selectiva 4120 3x220 16kW	Selectiva 8180 16kW
Selectiva 4060 3kW	Selectiva 4140 8kW	
Selectiva 2100 8kW	Selectiva 4140 3x220 16kW	

## IMPROVEMENTS

/ Thermal Runaway Event:

If a thermal runaway occurs while charging a lead battery with the Ri charging process, a warning event (Code 30) is created. This event is not shown on the device display, but is shown on the I-SPoT Viewer.

/ Charging Time-Exceeded Event:

An adjustable charging time is selected for the Ri charging process. If the real charging time greatly exceeds the selected charging time, a warning event (Code 39) is created. This event is shown on both the device display and the I-SPoT Viewer. There could be several reasons for this. For example, it may be that the required charging power for the battery to be charged is too low.

/ Check DC-Connection:

If the battery is repeatedly disconnected from the battery charging system during the charging process, the charger outputs an error (Code 17). This can be the result of a loose or faulty connection between the battery charging system and the battery. However, this error monitoring function can be disabled if the battery is being intentionally disconnected from the charger. You can check disable this feature in the menu under „Charging settings“ ► „Check DC-Connection“.

/ Equalising Charge-Expansion

Under the „Equalising Charge“ menu item, it is now possible to set a „Manual“ equalising charge in addition to „Delay“ and „Weekday“. The manual equalising charge can be enabled at the push of a button during both standard charging and conservation charging. This is indicated accordingly on the display. However, it can only be activated if the battery charging system has been set to a fixed battery voltage. The corresponding capacity value for the battery must also be set.



# SELECTIVA 8KW & 16KW FIRMWARE UPDATE 1.8.3.0

## GENERAL INFORMATION

The current Software-Update from version 1.8.1.0 to version 1.8.3.0 is according to the following devices

## TYPES

Selectiva 2100 8kW  
Selectiva 2120 8kW  
Selectiva 2140 8kW  
Selectiva 2160 8kW  
Selectiva 2180 8kW  
Selectiva 2200 8kW

Selectiva 4060 8kW  
Selectiva 4075 8kW  
Selectiva 4090 8kW  
Selectiva 4120 8kW  
Selectiva 4140 8kW  
Selectiva 4160 8kW

Selectiva 8040 8kW  
Selectiva 8060 8kW  
Selectiva 8075 8kW  
Selectiva 8090 8kW  
Selectiva 8120 16kW  
Selectiva 8140 16kW  
Selectiva 8160 16kW  
Selectiva 8180 16kW

## IMPROVEMENTS

/ AC Input current limitation:

The AC-Input Current limitation limits the Mains input current per phase from the battery charger.  
The setting can be done in 1 Amp steps in order to provide a safe operation of the battery charger especially at high load mains.



# SELECTIVA 2KW & 3KW FIRMWARE UPDATE 1.8.1.0

## GENERAL INFORMATION

The current Software-Update from version 1.8.0.0 to version 1.8.1.0 is according to the following devices

## TYPES

Selectiva 2040 2kW	Selectiva 4020 2kW
Selectiva 2050 2kW	Selectiva 4035 2kW
Selectiva 2060 2kW	Selectiva 4045 3kW
Selectiva 2070 2kW	Selectiva 4060 3kW
Selectiva 2080 3kW	
Selectiva 2100 3kW	
Selectiva 2120 3kW	

## IMPROVEMENTS

/ Contact detection function for „external start/stop“:

This function is enabled by default on new devices. When software updates are applied to existing devices, this function is available in the menu, but must be enabled manually. This function is used to monitor the „external start/stop“ option and is shown on the display as well as being logged in the internal memory as an error message.

If the „external start/stop“ option is installed and contact detection is enabled, the device checks whether the contacts are closed whenever a battery is connected. If the contacts are not detected as closed, the battery charging system outputs an error message. If contact detection is disabled and the contacts are open, the battery charging system switches to „charging interruption“ mode.



# SELECTIVA 8KW & 16KW FIRMWARE UPDATE 1.8.1.0

## GENERAL INFORMATION

The current Software-Update from version 1.7.0.0 to version 1.8.1.0 is according to the following devices

## TYPES

Selectiva 2100 8kW  
Selectiva 2120 8kW  
Selectiva 2140 8kW  
Selectiva 2160 8kW  
Selectiva 2180 8kW  
Selectiva 2200 8kW

Selectiva 4060 8kW  
Selectiva 4075 8kW  
Selectiva 4090 8kW  
Selectiva 4120 8kW  
Selectiva 4140 8kW  
Selectiva 4160 8kW

Selectiva 8040 8kW  
Selectiva 8060 8kW  
Selectiva 8075 8kW  
Selectiva 8090 8kW  
Selectiva 8120 16kW  
Selectiva 8140 16kW  
Selectiva 8160 16kW  
Selectiva 8180 16kW

## IMPROVEMENTS

/ Initial Operation:

To ensure that the battery charging system is set correctly, the length and the cross-section of the charging leads are requested during initial commissioning.

/ Time zone setting display:

It is possible to switch between a 24-hour clock and a 12-hour clock.

/ Contact detection function for „external start/stop“:

This function is enabled by default on new devices.

When software updates are applied to existing devices, this function is available in the menu, but must be enabled manually.

This function is used to monitor the „external start/stop“ option and is shown on the display as well as being logged in the internal memory as an error message.

If the „external start/stop“ option is installed and contact detection is enabled, the device checks whether the contacts are closed whenever a battery is connected.

If the contacts are not detected as closed, the battery charging system outputs an error message.

If contact detection is disabled and the contacts are open, the battery charging system switches to „charging interruption“ mode.



# SELECTIVA 2KW & 3KW FIRMWARE UPDATE 1.8.0.0

## GENERAL INFORMATION

The current Software-Update from version 1.7.0.0 to version 1.8.0.0 is according to the following devices

## TYPES

Selectiva 2040 2kW	Selectiva 4020 2kW
Selectiva 2050 2kW	Selectiva 4035 2kW
Selectiva 2060 2kW	Selectiva 4045 3kW
Selectiva 2070 2kW	Selectiva 4060 3kW
Selectiva 2080 3kW	
Selectiva 2100 3kW	
Selectiva 2120 3kW	

## IMPROVEMENTS

/ Initial Operation:

To ensure that the battery charging system is set correctly, the length and the cross-section of the charging leads are requested during initial commissioning.

/ Time zone setting display:

It is possible to switch between a 24-hour clock and a 12-hour clock.

/ Fast Start Function: (just available at 2kW devices)

The startup speed of the 2kw devices was accelerated from ~6 seconds to <4 seconds.