

SELECTIVA 2, 3, 8, 16, 18 & 30KW FIRMWARE UPDATE 2.12.0.0

GENERAL INFORMATION

The current Software-Update from version 2.11.0.0 to version 2.12.0.0 is according to the following devices

TYPES

Selectiva 4.0 2040 2kW
Selectiva 4.0 2050 2kW
Selectiva 4.0 2060 2kW
Selectiva 4.0 2070 2kW
Selectiva 4.0 2080 3kW
Selectiva 4.0 2100 3kW
Selectiva 4.0 2120 3kW

Selectiva 4.0 4020 2kW
Selectiva 4.0 4035 2kW
Selectiva 4.0 4045 3kW
Selectiva 4.0 4060 3kW

Selectiva 4.0 2100 8kW
Selectiva 4.0 2120 8kW
Selectiva 4.0 2140 8kW
Selectiva 4.0 2160 8kW
Selectiva 4.0 2180 8kW

Selectiva 4.0 2200 8kW
Selectiva 4.0 2225 8kW
Selectiva 4.0 2250 18kW
Selectiva 4.0 2300 18kW
Selectiva 4.0 2350 18kW

Selectiva 4.0 4060 8kW
Selectiva 4.0 4075 8kW
Selectiva 4.0 4090 8kW
Selectiva 4.0 4120 8kW
Selectiva 4.0 4120 3x220 16kW
Selectiva 4.0 4140 8kW
Selectiva 4.0 4140 3x220 16kW
Selectiva 4.0 4160 8kW
Selectiva 4.0 4160 3x220 16kW
Selectiva 4.0 4185 8kW

Selectiva 4.0 4210 16kW
Selectiva 4.0 4250 18kW
Selectiva 4.0 4300 18kW
Selectiva 4.0 4325 18kW
Selectiva 4.0 8040 8kW
Selectiva 4.0 8060 8kW
Selectiva 4.0 8075 8kW
Selectiva 4.0 8090 8kW
Selectiva 4.0 8110 8kW

Selectiva 4.0 8120 16kW
Selectiva 4.0 8140 16kW
Selectiva 4.0 8160 16kW
Selectiva 4.0 8180 16kW
Selectiva 4.0 8210 16kW
Selectiva 4.0 8250 30kW
Selectiva 4.0 8300 30kW
Selectiva 4.0 8375 30kW

IMPROVEMENTS

/ New features

- Charging Characteristic 44: SAFT SMRX SRX MSX MRX - NiCd
- Charging Characteristic 45: Buffering - SAFT SMRX SRX MSX MRX - NiCd

/ Changes

- Several changes and improvements

SELECTIVA 2, 3, 8, 16, 18 & 30KW FIRMWARE UPDATE 2.11.0.0

GENERAL INFORMATION

The current Software-Update from version 2.9.1.0 to version 2.11.0.0 is according to the following devices

TYPES

Selectiva 4.0 2040 2kW
Selectiva 4.0 2050 2kW
Selectiva 4.0 2060 2kW
Selectiva 4.0 2070 2kW
Selectiva 4.0 2080 3kW
Selectiva 4.0 2100 3kW
Selectiva 4.0 2120 3kW

Selectiva 4.0 4020 2kW
Selectiva 4.0 4035 2kW
Selectiva 4.0 4045 3kW
Selectiva 4.0 4060 3kW

Selectiva 4.0 2100 8kW
Selectiva 4.0 2120 8kW
Selectiva 4.0 2140 8kW
Selectiva 4.0 2160 8kW
Selectiva 4.0 2180 8kW

Selectiva 4.0 2200 8kW
Selectiva 4.0 2225 8kW
Selectiva 4.0 2250 18kW
Selectiva 4.0 2300 18kW
Selectiva 4.0 2350 18kW

Selectiva 4.0 4060 8kW
Selectiva 4.0 4075 8kW
Selectiva 4.0 4090 8kW
Selectiva 4.0 4120 8kW
Selectiva 4.0 4120 3x220 16kW
Selectiva 4.0 4140 8kW
Selectiva 4.0 4140 3x220 16kW
Selectiva 4.0 4160 8kW
Selectiva 4.0 4160 3x220 16kW
Selectiva 4.0 4185 8kW

Selectiva 4.0 4210 16kW
Selectiva 4.0 4250 18kW
Selectiva 4.0 4300 18kW
Selectiva 4.0 4325 18kW
Selectiva 4.0 8040 8kW
Selectiva 4.0 8060 8kW
Selectiva 4.0 8075 8kW
Selectiva 4.0 8090 8kW
Selectiva 4.0 8110 8kW

Selectiva 4.0 8120 16kW
Selectiva 4.0 8140 16kW
Selectiva 4.0 8160 16kW
Selectiva 4.0 8180 16kW
Selectiva 4.0 8210 16kW
Selectiva 4.0 8250 30kW
Selectiva 4.0 8300 30kW
Selectiva 4.0 8375 30kW

IMPROVEMENTS

/ Changes

- User curve version was increased from 2 to 3
- Settings menu cannot be opened if a battery is connected, and the charger is in error mode

/ Bug fixes

- Various bug fixes

SELECTIVA 2, 3, 8, 16, 18 & 30KW FIRMWARE UPDATE 2.9.1.0

GENERAL INFORMATION

The current Software-Update from version 2.9.0.0 to version 2.9.1.0 is according to the following devices

TYPES

Selectiva 4.0 2040 2kW
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Selectiva 4.0 2080 3kW
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Selectiva 4.0 2120 3kW

Selectiva 4.0 4020 2kW
Selectiva 4.0 4035 2kW
Selectiva 4.0 4045 3kW
Selectiva 4.0 4060 3kW

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Selectiva 4.0 2120 8kW
Selectiva 4.0 2140 8kW
Selectiva 4.0 2160 8kW
Selectiva 4.0 2180 8kW

Selectiva 4.0 2200 8kW
Selectiva 4.0 2225 8kW
Selectiva 4.0 2250 18kW
Selectiva 4.0 2300 18kW
Selectiva 4.0 2350 18kW

Selectiva 4.0 4060 8kW
Selectiva 4.0 4075 8kW
Selectiva 4.0 4090 8kW
Selectiva 4.0 4120 8kW
Selectiva 4.0 4120 3x220 16kW
Selectiva 4.0 4140 8kW
Selectiva 4.0 4140 3x220 16kW
Selectiva 4.0 4160 8kW
Selectiva 4.0 4160 3x220 16kW
Selectiva 4.0 4185 8kW

Selectiva 4.0 4210 16kW
Selectiva 4.0 4250 18kW
Selectiva 4.0 4300 18kW
Selectiva 4.0 4325 18kW
Selectiva 4.0 8040 8kW
Selectiva 4.0 8060 8kW
Selectiva 4.0 8075 8kW
Selectiva 4.0 8090 8kW
Selectiva 4.0 8110 8kW

Selectiva 4.0 8120 16kW
Selectiva 4.0 8140 16kW
Selectiva 4.0 8160 16kW
Selectiva 4.0 8180 16kW
Selectiva 4.0 8210 16kW
Selectiva 4.0 8250 30kW
Selectiva 4.0 8300 30kW
Selectiva 4.0 8375 30kW

IMPROVEMENTS

/ New Features

- Polarity reversal protection defect detection for 3kW devices

/ Bug fixes

- Various bug fixes

SELECTIVA 2, 3, 8, 16, 18 & 30KW FIRMWARE UPDATE 2.9.0.0

GENERAL INFORMATION

The current Software-Update from version 2.8.0.0 to version 2.9.0.0 is according to the following devices

TYPES

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Selectiva 4.0 2180 8kW

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Selectiva 4.0 2250 18kW
Selectiva 4.0 2300 18kW
Selectiva 4.0 2350 18kW

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Selectiva 4.0 4075 8kW
Selectiva 4.0 4090 8kW
Selectiva 4.0 4120 8kW
Selectiva 4.0 4120 3x220 16kW
Selectiva 4.0 4140 8kW
Selectiva 4.0 4140 3x220 16kW
Selectiva 4.0 4160 8kW
Selectiva 4.0 4160 3x220 16kW
Selectiva 4.0 4185 8kW

Selectiva 4.0 4210 16kW
Selectiva 4.0 4250 18kW
Selectiva 4.0 4300 18kW
Selectiva 4.0 4325 18kW
Selectiva 4.0 8040 8kW
Selectiva 4.0 8060 8kW
Selectiva 4.0 8075 8kW
Selectiva 4.0 8090 8kW
Selectiva 4.0 8110 8kW

Selectiva 4.0 8120 16kW
Selectiva 4.0 8140 16kW
Selectiva 4.0 8160 16kW
Selectiva 4.0 8180 16kW
Selectiva 4.0 8210 16kW
Selectiva 4.0 8250 30kW
Selectiva 4.0 8300 30kW
Selectiva 4.0 8375 30kW

IMPROVEMENTS

/ New Features

/ Support for Temperature Monitoring
of Contacts (TMC):

- For monitoring the temperature of charging contacts
- Connection via the battery CAN.
- Setting accessible via additional functions
- Temperature is displayed on the charging screen

- Adjustable overtemperature threshold, charging is interrupted if exceeded
- Error codes 300,301,302
- Only available for 1p devices

/ Changes

/ EuW settings menu has been removed from the charging settings.

- The setting can now only be accessed via the additional functions.

/ In the TagID Wet characteristic curve, minimum voltage thresholds are now also temperature-compensated.

/ Bug fixes

/ Various stability improvements

/ Various bug fixes

/ Charging characteristic control

/ New characteristic curve block version 1.10.0

/ Gel curves 2,4,12,33,34,39,40,41 are now available for 96V/120V devices

/ Update of the TAB GEL characteristic curve

- Umax in I2 from 2.65V/cell to 2.8V/cell
- Uconst float charge as default
- Uconst trickle charge from 2.3V/cell to 2.25V/cell

/ New IU fast charging characteristic no. 43 FCC - IU - WET

- Characteristic is identical to FCC - IUI - WET (30) with I2 charging phase removed.

/ Curve 34 no longer generates warning (32) - timeout in the U1 phase

/ New user curve version 2

/ Known problems

/ If CBGc is activated in combination with the RI characteristic curve, the blue LED is activated for a short period (~30 minutes) when the battery is recognized as full, although no release has been received for this.

SELECTIVA 2, 3, 8, 16, 18 & 30KW FIRMWARE UPDATE 2.8.0.0

GENERAL INFORMATION

The current Software-Update from version 2.7.0.0 to version 2.8.0.0 is according to the following devices

TYPES

Selectiva 4.0 2040 2kW
Selectiva 4.0 2050 2kW
Selectiva 4.0 2060 2kW
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Selectiva 4.0 2080 3kW
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Selectiva 4.0 2140 8kW
Selectiva 4.0 2160 8kW
Selectiva 4.0 2180 8kW

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Selectiva 4.0 2350 18kW

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Selectiva 4.0 4075 8kW
Selectiva 4.0 4090 8kW
Selectiva 4.0 4120 8kW
Selectiva 4.0 4120 3x220 16kW
Selectiva 4.0 4140 8kW
Selectiva 4.0 4140 3x220 16kW
Selectiva 4.0 4160 8kW
Selectiva 4.0 4160 3x220 16kW
Selectiva 4.0 4185 8kW

Selectiva 4.0 4210 16kW
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Selectiva 4.0 4300 18kW
Selectiva 4.0 4325 18kW
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Selectiva 4.0 8060 8kW
Selectiva 4.0 8075 8kW
Selectiva 4.0 8090 8kW
Selectiva 4.0 8110 8kW

Selectiva 4.0 8120 16kW
Selectiva 4.0 8140 16kW
Selectiva 4.0 8160 16kW
Selectiva 4.0 8180 16kW
Selectiva 4.0 8210 16kW
Selectiva 4.0 8250 30kW
Selectiva 4.0 8300 30kW
Selectiva 4.0 8375 30kW

IMPROVEMENTS

/ New Features

- / Battery WarmUp Mode
- / Visualisation of Binding/Connection problems at charger
- / TagID Disconnected Event

/ Changes

- / Load Balancing behaviour in Error Mode was changed
- / Chargers can be updated offline, if gateway is offline
- / Charging voltage is limited to 115V on all devices



/ Minimum permitted Ah for Lead Crystal batteries has been reduced from 50Ah to 10Ah for 1p devices

/ Bug fixes

/ Various Bug fixes

SELECTIVA 2, 3, 8, 16, 18 & 30KW FIRMWARE UPDATE 2.7.0.0

GENERAL INFORMATION

The current Software-Update from version 2.6.2.0 to version 2.7.0.0 is according to the following devices

TYPES

Selectiva 4.0 2040 2kW
Selectiva 4.0 2050 2kW
Selectiva 4.0 2060 2kW
Selectiva 4.0 2070 2kW
Selectiva 4.0 2080 3kW
Selectiva 4.0 2100 3kW
Selectiva 4.0 2120 3kW

Selectiva 4.0 4020 2kW
Selectiva 4.0 4035 2kW
Selectiva 4.0 4045 3kW
Selectiva 4.0 4060 3kW

Selectiva 4.0 2100 8kW
Selectiva 4.0 2120 8kW
Selectiva 4.0 2140 8kW
Selectiva 4.0 2160 8kW
Selectiva 4.0 2180 8kW

Selectiva 4.0 2200 8kW
Selectiva 4.0 2225 8kW
Selectiva 4.0 2250 18kW
Selectiva 4.0 2300 18kW
Selectiva 4.0 2350 18kW

Selectiva 4.0 4060 8kW
Selectiva 4.0 4075 8kW
Selectiva 4.0 4090 8kW
Selectiva 4.0 4120 8kW
Selectiva 4.0 4120 3x220 16kW
Selectiva 4.0 4140 8kW
Selectiva 4.0 4140 3x220 16kW
Selectiva 4.0 4160 8kW
Selectiva 4.0 4160 3x220 16kW
Selectiva 4.0 4185 8kW

Selectiva 4.0 4210 16kW
Selectiva 4.0 4250 18kW
Selectiva 4.0 4300 18kW
Selectiva 4.0 4325 18kW
Selectiva 4.0 8040 8kW
Selectiva 4.0 8060 8kW
Selectiva 4.0 8075 8kW
Selectiva 4.0 8090 8kW
Selectiva 4.0 8110 8kW

Selectiva 4.0 8120 16kW
Selectiva 4.0 8140 16kW
Selectiva 4.0 8160 16kW
Selectiva 4.0 8180 16kW
Selectiva 4.0 8210 16kW
Selectiva 4.0 8250 30kW
Selectiva 4.0 8300 30kW
Selectiva 4.0 8375 30kW

IMPROVEMENTS

/ New Features

/ Battery Connect

- TagID firmware gets updated by the charger via Charge & Connect
- Communication between TagID and Gateway for data exchange is activated

/ Load Balancing+

- Extension of permissible charging characteristics for Load balancing



/ Changes

- [TagID] Write new event if TagID fallback mode is active
- [TagID] Red LED shall not blink if fallback mode is active
- [TagID] Fallback mode shall start faster
- New version system is used
- Added ExtStartStop Delay to restart charge when its closed again

/ Bug fixes

- / Various bugs were fixed

SELECTIVA 2, 3, 8, 16, 18 & 30KW FIRMWARE UPDATE 2.6.2.0

GENERAL INFORMATION

The current Software-Update from version 2.4.1.0 to version 2.6.2.0 is according to the following devices

TYPES

Selectiva 4.0 2040 2kW	Selectiva 4.0 2200 8kW	Selectiva 4.0 4210 16kW
Selectiva 4.0 2050 2kW	Selectiva 4.0 2225 8kW	Selectiva 4.0 4250 18kW
Selectiva 4.0 2060 2kW	Selectiva 4.0 2250 18kW	Selectiva 4.0 4300 18kW
Selectiva 4.0 2070 2kW	Selectiva 4.0 2300 18kW	Selectiva 4.0 4325 18kW
Selectiva 4.0 2080 3kW	Selectiva 4.0 2350 18kW	Selectiva 4.0 8040 8kW
Selectiva 4.0 2100 3kW		Selectiva 4.0 8060 8kW
Selectiva 4.0 2120 3kW	Selectiva 4.0 4060 8kW	Selectiva 4.0 8075 8kW
	Selectiva 4.0 4075 8kW	Selectiva 4.0 8090 8kW
Selectiva 4.0 4020 2kW	Selectiva 4.0 4090 8kW	Selectiva 4.0 8110 8kW
Selectiva 4.0 4035 2kW	Selectiva 4.0 4120 8kW	
Selectiva 4.0 4045 3kW	Selectiva 4.0 4120 3x220 16kW	Selectiva 4.0 8120 16kW
Selectiva 4.0 4060 3kW	Selectiva 4.0 4140 8kW	Selectiva 4.0 8140 16kW
	Selectiva 4.0 4140 3x220 16kW	Selectiva 4.0 8160 16kW
Selectiva 4.0 2100 8kW	Selectiva 4.0 4160 8kW	Selectiva 4.0 8180 16kW
Selectiva 4.0 2120 8kW	Selectiva 4.0 4160 3x220 16kW	Selectiva 4.0 8210 16kW
Selectiva 4.0 2140 8kW	Selectiva 4.0 4185 8kW	Selectiva 4.0 8250 30kW
Selectiva 4.0 2160 8kW		Selectiva 4.0 8300 30kW
Selectiva 4.0 2180 8kW		Selectiva 4.0 8375 30kW

IMPROVEMENTS

/ New Features

There is a new setting in General Options Menu, that allows to choose between imperial and metric units.

/ Temperature in Celsius and Fahrenheit

/ Cable Cross Section in mm² and AWG

/ Cable Length in Meter (m) and Feet (ft)

/ Changes

The Temperature setting for displaying Celsius or Fahrenheit was integrated into the new Setting for Units metric/imperial

/ If previously Fahrenheit was displayed as temperature setting, the charger will use imperial units after the update.

/ Bug fixes

Sometimes customers have a problem with the contact detection on the charger with leads to error 16 if the start/stop is not closed fast enough after the DC connection, this is caused by the fast operation of the contact detection. To solve this problem we changed the timeout from 5 seconds to 15 seconds.

SELECTIVA 2, 3, 8, 16, 18 & 30KW FIRMWARE UPDATE 2.6.0.0

GENERAL INFORMATION

The current Software-Update from version 2.5.1.0 to version 2.6.0.0 is according to the following devices

TYPES

Selectiva 4.0 2040 2kW	Selectiva 4.0 2200 8kW	Selectiva 4.0 4210 16kW
Selectiva 4.0 2050 2kW	Selectiva 4.0 2225 8kW	Selectiva 4.0 4250 18kW
Selectiva 4.0 2060 2kW	Selectiva 4.0 2250 18kW	Selectiva 4.0 4300 18kW
Selectiva 4.0 2070 2kW	Selectiva 4.0 2300 18kW	Selectiva 4.0 4325 18kW
Selectiva 4.0 2080 3kW	Selectiva 4.0 2350 18kW	Selectiva 4.0 8040 8kW
Selectiva 4.0 2100 3kW		Selectiva 4.0 8060 8kW
Selectiva 4.0 2120 3kW	Selectiva 4.0 4060 8kW	Selectiva 4.0 8075 8kW
	Selectiva 4.0 4075 8kW	Selectiva 4.0 8090 8kW
Selectiva 4.0 4020 2kW	Selectiva 4.0 4090 8kW	Selectiva 4.0 8110 8kW
Selectiva 4.0 4035 2kW	Selectiva 4.0 4120 8kW	
Selectiva 4.0 4045 3kW	Selectiva 4.0 4120 3x220 16kW	Selectiva 4.0 8120 16kW
Selectiva 4.0 4060 3kW	Selectiva 4.0 4140 8kW	Selectiva 4.0 8140 16kW
	Selectiva 4.0 4140 3x220 16kW	Selectiva 4.0 8160 16kW
Selectiva 4.0 2100 8kW	Selectiva 4.0 4160 8kW	Selectiva 4.0 8180 16kW
Selectiva 4.0 2120 8kW	Selectiva 4.0 4160 3x220 16kW	Selectiva 4.0 8210 16kW
Selectiva 4.0 2140 8kW	Selectiva 4.0 4185 8kW	Selectiva 4.0 8250 30kW
Selectiva 4.0 2160 8kW		Selectiva 4.0 8300 30kW
Selectiva 4.0 2180 8kW		Selectiva 4.0 8375 30kW

IMPROVEMENTS

/ New Features

/ TagID Support

- Multicapacity support via TagID
- Multivoltage support via TagID
- Charging time plausibility check
- Temperature controlled charging via TagID
- Fallback mode for Pb-WET technology
- Adaptive equalization
- Automatic battery care
- Opportunity charge with TagID
- Powercharge with TagID
- Added new event: TagID connected
- Added TagID error/warning codes
- TagID firmware update via charger



/ New Pb-GEL curves added

- Curve nr. 39: TAB Traction GEL
- Curve nr. 40: Exide Motive Power GEL
- Curve nr. 41: Sunlight MotionGEL

/ Redesign of Additional functions menu

/ **Changes**

- / New curve control version 1.9.0
- / New log version 11

/ **Bug fixes**

- / Fixed typos in charge and connect texts
- / Fixed second ChargeEnd event when switching from EHL pulse to EHL const mode
- / Fixed CAN initialization issues during startup
- / For SW V 2.5.0.0 and V2.5.1.0 the binding process with a C&C Gateway did not work, because the TAN would not be displayed. This issue is now fixed.

/ **Notes**

- / Downgrade to previous versions are not possible due to changes of Log version and Curve Control version.

SELECTIVA 2, 3, 8, 16, 18 & 30kW FIRMWARE UPDATE 2.5.1.0

GENERAL INFORMATION

The current Software-Update from version 2.4.2.0 to version 2.5.1.0 is according to the following devices

TYPES

Selectiva 4.0 2040 2kW	Selectiva 4.0 2200 8kW	Selectiva 4.0 4210 16kW
Selectiva 4.0 2050 2kW	Selectiva 4.0 2225 8kW	Selectiva 4.0 4250 18kW
Selectiva 4.0 2060 2kW	Selectiva 4.0 2250 18kW	Selectiva 4.0 4300 18kW
Selectiva 4.0 2070 2kW	Selectiva 4.0 2300 18kW	Selectiva 4.0 4325 18kW
Selectiva 4.0 2080 3kW	Selectiva 4.0 2350 18kW	Selectiva 4.0 8040 8kW
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Selectiva 4.0 4020 2kW	Selectiva 4.0 4090 8kW	Selectiva 4.0 8110 8kW
Selectiva 4.0 4035 2kW	Selectiva 4.0 4120 8kW	
Selectiva 4.0 4045 3kW	Selectiva 4.0 4120 3x220 16kW	Selectiva 4.0 8120 16kW
Selectiva 4.0 4060 3kW	Selectiva 4.0 4140 8kW	Selectiva 4.0 8140 16kW
	Selectiva 4.0 4140 3x220 16kW	Selectiva 4.0 8160 16kW
Selectiva 4.0 2100 8kW	Selectiva 4.0 4160 8kW	Selectiva 4.0 8180 16kW
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Selectiva 4.0 2180 8kW		Selectiva 4.0 8375 30kW

IMPROVEMENTS

/ Load Management

/ Added new feature support for Charge and Connect: Load management (LMM).

- Activation is only available directly from C&C web-portal.
- After a battery connect, the charge can be delayed for up to 12 hours, controlled by C&C.
- Charge time can be adjusted automatically from C&C web portal.
- If no connection to C&C portal is available, the charge starts automatically after 15 minutes with default RI-settings.
- During an active charge delay caused by LMM, the charger displays the time when to start the charge like a charge calendar start delay.

- When LMM is activated, the following settings are not accessible and ignored by the charger:
 - Charge start delay
 - Charge end delay
 - Calendar
 - Special charges
 - Opportunity charge
 - The „Ignore start delay“ Button will not be available
 - Menu for changing Charging characteristics or charge time.
- LMM can be deactivated by
 - Disabling the Connectivity CAN-Protocol
 - Disabling the feature in C&C web-portal
 - Reset to default or Reset to factory settings is performed.
- Activation is only possible, if main charging curve is nr 6 (Ri-Charging curve) and calendar function does not use other battery technology then wet.
- Minimum available charge time for LMM is determined by the RI-Charge Time setting.
- When LMM is activated, other settings, that influence charging time, charging characteristics or start delays will be ignored by the charger. E.g. calendar settings will be ignored.

/ **Changes**

/ New Curve Control Version 1.8.1

- Changed maximum possible U1 setting for charging characteristics no. 1 IUI Wet from 2.45V/Cell to 2.5V/Cell
- Changed maximum possible U1 setting for charging characteristics no. 2 IUI Gel from 2.4V/Cell to 2.45V/Cell

/ **Bug fixes**

- / Fixed a bug, where „Charge 50%“, „Charge 80%“, and „Main charge finished“ settings for Relais-Card option did not work.
- / Fixed a bug, where in some cases USB-Logging of a charge would only produce a single entry.
- / Fixed a bug, where „BatteryStillConnected“ event could occur after „ChargerContinued“.
- / Fixed a bug, where „Error 508: No AC“ Event could occurs with the timestamp of the startup time and after the system started event.

SELECTIVA 2, 3, 8, 16, 18 & 30kW FIRMWARE UPDATE 2.4.2.0

GENERAL INFORMATION

The current Software-Update from version 2.4.1.0 to version 2.4.2.0 is according to the following devices

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Selectiva 4.0 2040 2kW
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Selectiva 4.0 4075 8kW
Selectiva 4.0 4090 8kW
Selectiva 4.0 4120 8kW
Selectiva 4.0 4120 3x220 16kW
Selectiva 4.0 4140 8kW
Selectiva 4.0 4140 3x220 16kW
Selectiva 4.0 4160 8kW
Selectiva 4.0 4160 3x220 16kW
Selectiva 4.0 4185 8kW

Selectiva 4.0 4210 16kW
Selectiva 4.0 4250 18kW
Selectiva 4.0 4300 18kW
Selectiva 4.0 4325 18kW
Selectiva 4.0 8040 8kW
Selectiva 4.0 8060 8kW
Selectiva 4.0 8075 8kW
Selectiva 4.0 8090 8kW
Selectiva 4.0 8110 8kW

Selectiva 4.0 8120 16kW
Selectiva 4.0 8140 16kW
Selectiva 4.0 8160 16kW
Selectiva 4.0 8180 16kW
Selectiva 4.0 8210 16kW
Selectiva 4.0 8250 30kW
Selectiva 4.0 8300 30kW
Selectiva 4.0 8375 30kW

IMPROVEMENTS

/ Minor fixes and changes

SELECTIVA 2, 3, 8, 16, 18 & 30KW FIRMWARE UPDATE 2.4.1.0

GENERAL INFORMATION

The current Software-Update from version 2.3.1.0 to version 2.4.1.0 is according to the following devices

TYPES

Selectiva 4.0 2040 2kW	Selectiva 4.0 2200 8kW	Selectiva 4.0 4210 16kW
Selectiva 4.0 2050 2kW	Selectiva 4.0 2225 8kW	Selectiva 4.0 4250 18kW
Selectiva 4.0 2060 2kW	Selectiva 4.0 2250 18kW	Selectiva 4.0 4300 18kW
Selectiva 4.0 2070 2kW	Selectiva 4.0 2300 18kW	Selectiva 4.0 4325 18kW
Selectiva 4.0 2080 3kW	Selectiva 4.0 2350 18kW	Selectiva 4.0 8040 8kW
Selectiva 4.0 2100 3kW		Selectiva 4.0 8060 8kW
Selectiva 4.0 2120 3kW	Selectiva 4.0 4060 8kW	Selectiva 4.0 8075 8kW
	Selectiva 4.0 4075 8kW	Selectiva 4.0 8090 8kW
Selectiva 4.0 4020 2kW	Selectiva 4.0 4090 8kW	Selectiva 4.0 8110 8kW
Selectiva 4.0 4035 2kW	Selectiva 4.0 4120 8kW	
Selectiva 4.0 4045 3kW	Selectiva 4.0 4120 3x220 16kW	Selectiva 4.0 8120 16kW
Selectiva 4.0 4060 3kW	Selectiva 4.0 4140 8kW	Selectiva 4.0 8140 16kW
	Selectiva 4.0 4140 3x220 16kW	Selectiva 4.0 8160 16kW
Selectiva 4.0 2100 8kW	Selectiva 4.0 4160 8kW	Selectiva 4.0 8180 16kW
Selectiva 4.0 2120 8kW	Selectiva 4.0 4160 3x220 16kW	Selectiva 4.0 8210 16kW
Selectiva 4.0 2140 8kW	Selectiva 4.0 4185 8kW	Selectiva 4.0 8250 30kW
Selectiva 4.0 2160 8kW		Selectiva 4.0 8300 30kW
Selectiva 4.0 2180 8kW		Selectiva 4.0 8375 30kW

IMPROVEMENTS

/ Charge and Connect

/ Cold Battery Guide Easy Digital

The Cold Battery Guide Cloud got implemented (CBG digital).

This was needed to Change the state of the Blue Led from the cloud,

And some other functions.

/ General Changes / Bugfixes

/ Default Value of start Stop changed to Stop ON and Start OFF

/ Paused Charge stays Paused also after an Error or Mains Failure

/ Added Aquamatic Support for KL 3 IU Wet and KL 13 I-Puls

SELECTIVA 2, 3, 8, 16, 18 & 30KW FIRMWARE UPDATE 2.3.1.0

GENERAL INFORMATION

The current Software-Update from version 2.2.2.0 to version 2.3.1.0 is according to the following devices

DEVICE LIST:

Selectiva 4.0 2040 2kW	Selectiva 4.0 2200 8kW	Selectiva 4.0 4210 16kW
Selectiva 4.0 2050 2kW	Selectiva 4.0 2225 8kW	Selectiva 4.0 4250 18kW
Selectiva 4.0 2060 2kW	Selectiva 4.0 2250 18kW	Selectiva 4.0 4300 18kW
Selectiva 4.0 2070 2kW	Selectiva 4.0 2300 18kW	Selectiva 4.0 4325 18kW
Selectiva 4.0 2080 3kW	Selectiva 4.0 2350 18kW	Selectiva 4.0 8040 8kW
Selectiva 4.0 2100 3kW		Selectiva 4.0 8060 8kW
Selectiva 4.0 2120 3kW	Selectiva 4.0 4060 8kW	Selectiva 4.0 8075 8kW
	Selectiva 4.0 4075 8kW	Selectiva 4.0 8090 8kW
Selectiva 4.0 4020 2kW	Selectiva 4.0 4090 8kW	Selectiva 4.0 8110 8kW
Selectiva 4.0 4035 2kW	Selectiva 4.0 4120 8kW	
Selectiva 4.0 4045 3kW	Selectiva 4.0 4120 3x220 16kW	Selectiva 4.0 8120 16kW
Selectiva 4.0 4060 3kW	Selectiva 4.0 4140 8kW	Selectiva 4.0 8140 16kW
	Selectiva 4.0 4140 3x220 16kW	Selectiva 4.0 8160 16kW
Selectiva 4.0 2100 8kW	Selectiva 4.0 4160 8kW	Selectiva 4.0 8180 16kW
Selectiva 4.0 2120 8kW	Selectiva 4.0 4160 3x220 16kW	Selectiva 4.0 8210 16kW
Selectiva 4.0 2140 8kW	Selectiva 4.0 4185 8kW	Selectiva 4.0 8250 30kW
Selectiva 4.0 2160 8kW		Selectiva 4.0 8300 30kW
Selectiva 4.0 2180 8kW		Selectiva 4.0 8375 30kW

IMPROVEMENTS:

/ **Removed visual indication of maximum Ah value for Ri charging times**

/ **Monitoring function of external start/stop mechanism**

If the external start/stop mechanism is active and the external start/stop status does not relate to the actual load status Error 16 (Check Ext. Start/Stop) shall be set within 5 seconds. For this purpose, the behavior of the existing contact detection of external start/stop has been extended: Now error 16 is also set, if external start/stop is closed and no load is detected. Error 16 can only be cleared if external start/stop is open and no load is detected. The monitoring function is active if contact detection setting in external start/stop menu is set to ON.

/ **Support of new Fronius USB sticks**

/ **Several improvements and bug fixes**

SELECTIVA 2, 3, 8, 16, 18 & 30KW FIRMWARE UPDATE 2.2.2.0

GENERAL INFORMATION

The current Software-Update from version 2.2.0.0 to version 2.2.2.0 is according to the following devices

DEVICE LIST:

Selectiva 4.0 2040 2kW	Selectiva 4.0 2200 8kW	Selectiva 4.0 4210 16kW
Selectiva 4.0 2050 2kW	Selectiva 4.0 2225 8kW	Selectiva 4.0 4250 18kW
Selectiva 4.0 2060 2kW	Selectiva 4.0 2250 18kW	Selectiva 4.0 4300 18kW
Selectiva 4.0 2070 2kW	Selectiva 4.0 2300 18kW	Selectiva 4.0 4325 18kW
Selectiva 4.0 2080 3kW	Selectiva 4.0 2350 18kW	Selectiva 4.0 8040 8kW
Selectiva 4.0 2100 3kW		Selectiva 4.0 8060 8kW
Selectiva 4.0 2120 3kW	Selectiva 4.0 4060 8kW	Selectiva 4.0 8075 8kW
	Selectiva 4.0 4075 8kW	Selectiva 4.0 8090 8kW
Selectiva 4.0 4020 2kW	Selectiva 4.0 4090 8kW	Selectiva 4.0 8110 8kW
Selectiva 4.0 4035 2kW	Selectiva 4.0 4120 8kW	
Selectiva 4.0 4045 3kW	Selectiva 4.0 4120 3x220 16kW	Selectiva 4.0 8120 16kW
Selectiva 4.0 4060 3kW	Selectiva 4.0 4140 8kW	Selectiva 4.0 8140 16kW
	Selectiva 4.0 4140 3x220 16kW	Selectiva 4.0 8160 16kW
Selectiva 4.0 2100 8kW	Selectiva 4.0 4160 8kW	Selectiva 4.0 8180 16kW
Selectiva 4.0 2120 8kW	Selectiva 4.0 4160 3x220 16kW	Selectiva 4.0 8210 16kW
Selectiva 4.0 2140 8kW	Selectiva 4.0 4185 8kW	Selectiva 4.0 8250 30kW
Selectiva 4.0 2160 8kW		Selectiva 4.0 8300 30kW
Selectiva 4.0 2180 8kW		Selectiva 4.0 8375 30kW

IMPROVEMENTS:

/ Bugfix

/ Compatibility with P-Control2 HW V1.0

SELECTIVA 2, 3, 8, 16, 18 & 30KW FIRMWARE UPDATE 2.1.1.0

GENERAL INFORMATION

The current Software-Update from version 2.0.0.0 to version 2.1.1.0 is according to the following devices

TYPENAUFLISTUNG

Selectiva 4.0 2040 2kW	Selectiva 4.0 2250 18kW	Selectiva 4.0 8040 8kW
Selectiva 4.0 2050 2kW	Selectiva 4.0 2300 18kW	Selectiva 4.0 8060 8kW
Selectiva 4.0 2060 2kW	Selectiva 4.0 2350 18kW	Selectiva 4.0 8075 8kW
Selectiva 4.0 2070 2kW		Selectiva 4.0 8090 8kW
Selectiva 4.0 2080 3kW	Selectiva 4.0 4060 8kW	Selectiva 4.0 8110 8kW
Selectiva 4.0 2100 3kW	Selectiva 4.0 4075 8kW	
Selectiva 4.0 2120 3kW	Selectiva 4.0 4090 8kW	Selectiva 4.0 8120 16kW
	Selectiva 4.0 4120 8kW	Selectiva 4.0 8140 16kW
Selectiva 4.0 4020 2kW	Selectiva 4.0 4120 3x220 16kW	Selectiva 4.0 8160 16kW
Selectiva 4.0 4035 2kW	Selectiva 4.0 4140 8kW	Selectiva 4.0 8180 16kW
Selectiva 4.0 4045 3kW	Selectiva 4.0 4140 3x220 16kW	Selectiva 4.0 8210 16kW
Selectiva 4.0 4060 3kW	Selectiva 4.0 4160 8kW	
	Selectiva 4.0 4160 3x220 16kW	Selectiva 4.0 8250 30kW
Selectiva 4.0 2100 8kW	Selectiva 4.0 4185 8kW	Selectiva 4.0 8300 30kW
Selectiva 4.0 2120 8kW		Selectiva 4.0 8375 30kW
Selectiva 4.0 2140 8kW	Selectiva 4.0 4210 16kW	
Selectiva 4.0 2160 8kW	Selectiva 4.0 4250 18kW	
Selectiva 4.0 2180 8kW	Selectiva 4.0 4300 18kW	
Selectiva 4.0 2200 8kW	Selectiva 4.0 4325 18kW	
Selectiva 4.0 2225 8kW		

IMPROVEMENTS

/ PzQ / PsQ characteristic

Especially in heavy-duty applications, PzQ or PsQ batteries are often used. In order to charge them optimally, our battery chargers have three specially tuned characteristics curves.

/ Standard charging: IUI – PzQ

/ Fast Charging: FCC IUI – PzQ

/ Deep discharged batteries: Deep discharge - PzQ

SELECTIVA 2, 3, 8, 16, 18 & 30KW FIRMWARE UPDATE 2.2.0.0

GENERAL INFORMATION

The current Software-Update from version 2.1.1.0 to version 2.2.0.0 is according to the following devices

DEVICE LIST:

Selectiva 4.0 2040 2kW	Selectiva 4.0 2200 8kW	Selectiva 4.0 4210 16kW
Selectiva 4.0 2050 2kW	Selectiva 4.0 2225 8kW	Selectiva 4.0 4250 18kW
Selectiva 4.0 2060 2kW	Selectiva 4.0 2250 18kW	Selectiva 4.0 4300 18kW
Selectiva 4.0 2070 2kW	Selectiva 4.0 2300 18kW	Selectiva 4.0 4325 18kW
Selectiva 4.0 2080 3kW	Selectiva 4.0 2350 18kW	Selectiva 4.0 8040 8kW
Selectiva 4.0 2100 3kW		Selectiva 4.0 8060 8kW
Selectiva 4.0 2120 3kW	Selectiva 4.0 4060 8kW	Selectiva 4.0 8075 8kW
	Selectiva 4.0 4075 8kW	Selectiva 4.0 8090 8kW
Selectiva 4.0 4020 2kW	Selectiva 4.0 4090 8kW	Selectiva 4.0 8110 8kW
Selectiva 4.0 4035 2kW	Selectiva 4.0 4120 8kW	
Selectiva 4.0 4045 3kW	Selectiva 4.0 4120 3x220 16kW	Selectiva 4.0 8120 16kW
Selectiva 4.0 4060 3kW	Selectiva 4.0 4140 8kW	Selectiva 4.0 8140 16kW
	Selectiva 4.0 4140 3x220 16kW	Selectiva 4.0 8160 16kW
Selectiva 4.0 2100 8kW	Selectiva 4.0 4160 8kW	Selectiva 4.0 8180 16kW
Selectiva 4.0 2120 8kW	Selectiva 4.0 4160 3x220 16kW	Selectiva 4.0 8210 16kW
Selectiva 4.0 2140 8kW	Selectiva 4.0 4185 8kW	Selectiva 4.0 8250 30kW
Selectiva 4.0 2160 8kW		Selectiva 4.0 8300 30kW
Selectiva 4.0 2180 8kW		Selectiva 4.0 8375 30kW

IMPROVEMENTS:

/ Charge & Connect initial release:

Added CAN protocol for communication with Fronius Gateway.

Extended menu for configuration of Fronius Gateway.

Added time synchronization between charger and Fronius Gateway.

Added remote update functionality for charger software.

Added connection status icon for Charge & Connect.

/ Added time zones:

Added time zones for Mexico, Chile and Australia.

/ Changed charging parameters of curve number 10

– WET Deep Discharge:

Changed I1 from 4A/100Ah to 2A/100Ah.

Changed maximum charging time tmax from 60h to 120h.

/ Changed charging parameters of curve number 32 – WET CSM Deep Discharge:

Changed I1 from 4A/100Ah to 2A/100Ah.

Changed maximum charging time tmax from 60h to 120h.

/ Changed charging parameters of curve number 34 – GEL Deep Discharge:

Changed I1 from 4A/100Ah to 2A/100Ah.

Changed maximum charging time tmax from 30h to 60h.

/ Changed charging parameters of curve number 37 – WET PzQ Deep Discharge:

Changed I1 from 4A/100Ah to 2A/100Ah.

Changed maximum charging time tmax from 60h to 120h.

/ Increased charge config version from V1.7.0 to V1.7.1