Parameter ID	Non-volatile?	Modifier	Parameter	Data type	Minimum	Maximum	Default	Comment
0	No	WO	Load default config	-	-	-	-	Load default config
1	Yes	RW	Global Balancing enable	BOOL	-	-	false	Enable automatic balancing if average cell voltage is above the balancing threshold and system is in charge mode
2	Yes	RW	Balancing absolute voltage threshold	UINT16	3	4,2	4	Voltage threshold at which balancing will be enabled. Balancing should only be enabled above 80% SOC
3	No	RO	Balancing feedback	UINT16	-	-	-	Return currently active balancing gates. Pass the stack of interest in the request, get the active balancing gates bit-coded as response
4	No	WO	SOC lookup	-	-	-	-	Manual SOC lookup
5	Yes	RW	Automatic SOC lookup enable	BOOL	-	-	false	Automatic SOC lookup based on timestamp. If the timestamp stored in the EEPROM is older than one hour at startup, an SOC lookup will be performed. This bit enables or disables this feature.
6	Yes	RW	Number of Stacks	UINT8	1	12	12	Number of monitored stacks. ONLY FOR TESTING!
7	Yes	RW	Logger enable	BOOL	-	-	false	Activate or deactivate logger
8	Yes	RW	Logger delete oldest file	BOOL	-	-	false	Only 128 log files can be stored. Shall the oldest file be deleted to keep logging or shall the logger stop if the limit is reached?
9	Yes	RW	Autoreset enable	BOOL	-	-	true	Enable or disable automatic reset of the SDC latches at startup
10	No	RW	Set/Read real time clock	UINT32	-	-	-	Set or get RTC time as Unix time stamp
11	No	WO	Control calibration	UINT8	0	3	-	Start calibration of the ADC channels. Pass the channel as argument. 0=stop calibration, 1=battery voltage, 2=dc-link voltage, 3=current
12	No	RO	Calibration state	UINT8	-	-	-	Return the current state of the calibration state machine
13	No	WO	Calibration value	FLOAT	-	-	-	Calibration parameter (either first or second, depending on calibration state machine state). Pass argument as float
14	No	RW	Format SD card	-	-	-	-	Format the SD card. Returns the current state of the formation process (busy or ready)

Tabelle2

	CAN ID	Type	DLC	Byte 0	Byte 1	Byte 2	Byte 3	Byte 4	Byte 5	Byte 6	Byte 7	Comment
Set parameter	0x010	Request	3+	Param ID + 0x80	Number of following bytes	LSB < Parameter > MSB						Request Update
	0x011	Response	1	Param ID								Update successful
	0x011	Response	1	Param ID + 0x80								Update failed
Get parameter	0x010	Request	1	Param ID								Request parameter
	0x011	Response	3+	Param ID	Number of following bytes	LSB < Parameter > MSB						Returned parameter
	0x011	Response	1	Param ID + 0x80								Request failed