



Statuscode	Description	SMS-transmission conditions			Signal Card	
		immediately	after temp. messages	after perm. messages	SMS-Mode	
					immediately	after temp. messages
102	AC voltage too high		•			•
103	AC voltage too low		•			•
105	AC frequency too high					
106	AC frequency too low		•			•
107	No AC grid detected / Wrong AC Grid State detected		•			•
108	Islanding detected					
112	Residual Current Detected		•			•
140	ERR_OVPEN		•			•
212	AC voltage L1-N too high		•			•
213	AC voltage L1-N too low		•			•
222	AC voltage L2-N too high		•			•
223	AC voltage L2-N too low		•			•
232	AC voltage L3-N too high		•			•
233	AC Voltage L3-N too low		•			•
240	Arc Detected	•			•	
241	Arc detection confirmation 1					



SHIFTING THE LIMITS

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242	Arc detection confirmation 2					
243	Arc Detected - Detected Arc does not fulfill the standardized AFCI switch-off limits		•			•
245	Arc Fault Cicruit Interrupter (AFCI) Selftest failed	•			•	
247	Arc Fault Cicruit Interrupter (AFCI) current sensor error	•			•	
249	Arc Fault Cicruit Interrupter (AFCI) detected unplausibel measurement values	•			•	
301	AC Overcurrent		•			•
302	DC Overcurrent		•			•
303	Channel 1 Overtemperature		•			•
304	Channel 2 Overtemperature		•			•
305	Intermediate Circute Undervoltage		•			•
306	DC/AC Power Low					
307	DC Voltage Low					
308	Intermediate Circute Overvoltage		•			•
309	DC1 Input Overvoltage		•			•
311	DC Poles Reversed		•			•
312	Ambient Temperature Too Low		•			•



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		immediately	after temp. messages	after perm. messages	SMS-Mode	
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313	DC2 Input Overvoltage		•			•
314	DC System Failure		•			•
315	Current Sensor Error		•			•
316	Filter Interrupt Timing Error		•			•
323	Snubber Overvoltage		•			•
324	Channel 3 Overtemperature		•			•
325	Channel 4 Overtemperature		•			•
326	Fan 1 Error		•			•
327	Fan 2 Error		•			•
401	Power Stack Communication Error			•		
406	Channel 1 Sensor Error		•			•
407	Channel 2 Sensor Error		•			•
408	DC In Public Power Grid		•			•
412	DC1 Fix Voltage Out Of Range		•			•
415	Wired Shutdown Triggered		•			•
416	ReCerbo - Power Stack Communication Error		•			•

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		immediately	after temp. messages	after perm. messages	SMS-Mode	
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417	Hardware-ID Collision		•			•
419	ERR_UnUNIDDetected		•			•
420	Hardware-ID Collision		•			•
421	ERR_HIDRange		•			•
425	Data Exchange Timeout		•			•
426	Intermediate Circute Loading Timeout		•			•
427	Power Stack Ready Timeout		•			•
428	ERR_WaitPSAttach		•			•
429	ERR_WaitPSDetach		•			•
431	Power Stack In Bootmode					
432	Consistent error in power stack management		•			•
433	Allocation error of dynamic addresses		•			•
436	Invalid Bitmap Received		•			•
437	Power Stack Event Handling Error		•			•
438	Problem while error transmission from power stack to display board		•			•
442	ERR_PSMissingInPhase					



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443	DC/DC energy transfer failure		•			•
445	Invalid Configuration		•			•
447	Isolation Error		•			•
448	No Neutral Wire		•			•
450	Guard Communication Error		•			•
451	Memory Check Error		•			•
452	Power Stack - Filter Communication Error		•			•
453	Guard UAC Error		•			•
454	Guard fAC Error		•			•
456	Guard Anti Islanding Selftest Error		•			•
457	Grid Relay Sticks		•			•
458	Residual Current Monitoring Unit Offset Error		•			•
459	Guard Isolation Selftest Error		•			•
460	Power Stack/Filter Print Reference Voltage Error		•			•
461	RAM Error / Collective Fault		•			•
462	Guard DC In Public Power Grid Selftest Error		•			•



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		immediately	after temp. messages	after perm. messages	SMS-Mode	
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463	AC Poles Reversed		•			•
471	Ground Missing		•			•
472	Ground-Fault Detector Interrupter Fuse Broken		•			•
474	Residual Current Sensor Broken		•			•
475	Isolation Too Low Error	•			•	
476	Power Stack Supply Missing		•			•
480	Compulsive Feature Incompatible	•			•	
481	Compulsive Feature Not Supported	•			•	
482	Installation Wizzard Aborted					
483	DC2 Fix Voltage Out Of Range		•			•
484	CAN Transfair Timeout		•			•
485	CAN Transmit Buffer Full		•			•
502	Isolation Too Low Warning	•			•	
509	No Feed In For 24Hrs	•			•	
515	Communication with string monitoring not possible			•		
516	Power Stack EEPROM Error					



Statuscode	Description	SMS-transmission conditions			Signal Card	
		immediately	after temp. messages	after perm. messages	SMS-Mode	
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517	Overtemperature Dependent Power Derating			•		
518	Power stack Derating caused by too high temperature	•			•	
519	Filter Print EEPROM Error					
520	No Feed In For 24Hrs MPPT1	•			•	
521	No Feed In For 24Hrs MPPT2	•			•	
522	DC1 Input Voltage Low					
523	DC2 Input Voltage Low					
551	Ground Missing			•		
558	Incompatible Power stack Feature					
559	Incompatible ReCerbo Feature					
560	Grid Frequency Dependent Power Derating					
565	Arc Fault Cicruit Interrupter SD Card Error					
566	Arc Fault Cicruit Interrupter Deactivated Warning					
567	Arc Fault Cicruit Interrupter SD Card Error					
568	Arc Fault Cicruit Interrupter Deactivated Warning					
571	Grid Voltage Dependent Power Derating					



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		immediately	after temp. messages	after perm. messages	SMS-Mode	
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572	External I/O Warning					
573	Software State Inconsistency					
574	Power Limit Invalid					
579	Developer Warning					
601	CAN Bus Full		•			•
602	Blocked By Italy Autotest					
603	Channel 3 Sensor Error		•			•
604	Channel 4 Sensor Error		•			•
605	Isolation Controller Communication Error		•			•
606	Isolation Controller Supply Missing		•			•
607	RCMU Continuous Fault		•			•
608	Power Stack Software Incompatibility		•			•
609	Configuration Value Out Of Limits	•			•	
668	External I/O Error			•		
701	LocalNet - Node Type Out Of Range					
702	LocalNet - Receive Buffer Full					





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		immediately	after temp. messages	after perm. messages	SMS-Mode	
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703	LocalNet - Send Buffer Full					
705	LocalNet - Node Type Conflict					
706	CapKey - Get Version Failed					
707	CapKey - Update Failed					
708	CapKey - Reserved 1					
709	CapKey - Reserved 2					
711	EEPROM Write - Wrong Data Length					
712	EEPROM Write - Descriptor Not Found					
713	EEPROM Read - Descriptor Not Found					
714	EEPROM Read Warning - CRC Header Fail Will Retry					
715	EEPROM Read - CRC Header Fail Give It Up					
721	EEPROM - Reinitialized	•			•	
722	EEPROM - Wait Busy Timeout					
723	EEPROM Write - Verify Fail Will Retry					
724	EEPROM Write - Verify Fail Give It Up					
725	EEPROM Read - CRC Data Fail Will Retry					



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726	EEPROM Read - CRC Data Fail Give It Up					
727	EEPROM Check Data Warning - All Data Corrupt					
730	EEPROM Check Data - Data Restored					
731	USB Initializing Error					
732	USB Overcurrent					
733	No USB Stick Inserted					
734	No Update File Found On USB Stick					
735	Not Supported Update File Found On USB Stick					
736	USB Read/Write Error					
737	Update File Can Not Be Read					
738	Log-File Can't Be Created					
740	USB Enumeration Error					
741	USB Logging Write Error					
743	Update Failed					
745	Update File Checksum Wrong					
746	PMC Read Error While Update					



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751	RTC Time Lost					
752	RTC Hardware Error					
754	RTC Time Set					
755	EEPROM Data Written					
757	RTC Hardware Error	•			•	
758	RTC In Emergency Mode					
760	System Crystal Broken	•			•	
761	Onboard Memory PCB Read Error					
762	Plugged Memory PCB Read Error					
765	Random Number Generator Error					
766	Power Limit Not Found	•			•	
767	Power Limiter Communication Error					
768	Power Limit Not Identical					
772	Memory Not Available	•			•	
773	Update Group Zero	•			•	



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775	Power Stack Product Matrix Code Invalid					
777	CAN Error Message Source					
778	CAN Error Message Statecode					
782	Update Flash - CRC Error					
783	Update Flash - Header CRC Error					
784	Update Flash - Timeout					
785	Update Flash - Read Value (Value Not Found)					
787	Update Flash - Read Value (Setup Not Found)					
789	Update Flash - Read Value (Header CRC Error)					
792	Update Flash - Find Header (Header Not Found)					
794	Update Flash - Find Header (Header Address Impossible)					

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