

**MAHLE**

BatteryPRO  
E-HEALTH Charge 20

Trouble  
Shooting  
EN



## Troubleshooting guide for end user

When charging fault occurs, user may eliminate fault status by following steps.

Conditions	Troubleshooting guide
Black screen	Please contact your dealer
Stuck on boot or service screen	Please contact your dealer
Indication page returns from cable plugging to selection	<ol style="list-style-type: none"> <li>1. Please make sure the charging cable selection is correct</li> <li>2. Please make sure the charging cable has been plugged in completely with a “clicking” sound, and the gun button cannot be pressed</li> <li>3. Please check the charge port indicator or meter whether the charge function is failed</li> <li>4. Please try again with other chargers. If the situation keeps the same, the EV perhaps unable to charge, please send the EV for service</li> <li>5. Charging cable or control guide invalidated, please contact your dealer</li> </ol>
Indication page transfer from charging preparation to settlement directly	<ol style="list-style-type: none"> <li>1. Please unplug the charging cable and try again</li> <li>2. Please check the EV charge port indicator or meter whether the target charging limit has been done or terminated before default charging time</li> <li>3. Drive the EV away for few meters / feet and return, then try again</li> <li>4. Please contact your dealer</li> </ol>
Indication page transfer from charging preparation to settlement directly	<ol style="list-style-type: none"> <li>1. Please unplug the charging cable and try again</li> <li>2. Please check the EV charge port indicator or meter whether the target charging limit has been done or terminated before default charging time</li> <li>3. Drive the EV away for few meters / feet and return, then try again</li> <li>4. Please contact your dealer</li> </ol>

Conditions	Troubleshooting guide
Stuck on SOC 100% or 0% settlement page without charging	<ol style="list-style-type: none"><li data-bbox="378 453 1037 512">1. Please check EV charge port indicator or meter, whether full charged, the target charging limit is done or stopped before default charging time*</li><li data-bbox="378 528 773 549">2. Please unplug the charging cable and try again</li><li data-bbox="378 564 620 585">3. Please contact your dealer</li></ol>
Charging complete but the charger did not release EV	<ol style="list-style-type: none"><li data-bbox="378 628 1037 687">1. Please unlock the EV, press the button of HV charging port cover, and try to unplug again*</li><li data-bbox="378 703 885 724">2. Turn the startup switch on and off, then try to unplug again</li><li data-bbox="378 740 863 761">3. Lock the EV doors and release, then try to unplug again</li><li data-bbox="378 777 852 798">4. Turn the EV air conditioner off, then try to unplug again</li><li data-bbox="378 813 762 834">5. Please release by EV manual unlock switch</li><li data-bbox="378 850 925 871">6. If there is no manual unlock, please turn off or reset the charger</li><li data-bbox="378 887 701 908">7. Contact your EV company or dealer</li></ol>

## Troubleshooting - No status code

Conditions	Troubleshooting guide
Black screen	<ol style="list-style-type: none"> <li>1. Incorrect input power or connection fault, please supply power correctly and reset the power</li> <li>2. Charger auxiliary power, display, or other faults. Please contact your dealer</li> </ol>
Stuck on boot or service screen	<ol style="list-style-type: none"> <li>1. System is in update or self-check procedure, please wait</li> <li>2. Other faults of charger, please reset the power or restart the charger</li> <li>3. Please contact your dealer</li> </ol>
Indication page transfer from charging preparation to settlement directly	<ol style="list-style-type: none"> <li>1. Please unplug the charging cable and try again</li> <li>2. Please check the EV charge port indicator or meter whether the target charging limit has been done or terminated before default charging time *</li> <li>3. Drive the EV away for few meters / feet and return, then try again</li> <li>4. Charger handshaking failed, please reset, or turn off and restart the charger</li> <li>5. Please contact your dealer</li> </ol>
Stuck on SOC 100% or 0% settlement page without charging	<ol style="list-style-type: none"> <li>1. Please check EV charge port indicator or meter, whether full charged, the target charging limit is done or stopped before default charging time*</li> <li>2. Please unplug the charging cable and try again</li> <li>3. EV messages load failed. Please turn off and restart the charger</li> <li>4. Please contact your dealer</li> </ol>

Conditions	Troubleshooting guide
Charging complete but the charger did not re- lease EV	<ol style="list-style-type: none"><li data-bbox="378 453 1036 512">1. Please unlock the EV, press the button of HV charging port cover, and try to unplug again*</li><li data-bbox="378 528 885 549">2. Turn the startup switch on and off, then try to unplug again</li><li data-bbox="378 564 863 585">3. Lock the EV doors and release, then try to unplug again</li><li data-bbox="378 601 852 622">4. Turn the EV air conditioner off, then try to unplug again</li><li data-bbox="378 638 762 659">5. Please release by EV manual unlock switch</li><li data-bbox="378 675 925 695">6. If there is no manual unlock, please turn off or reset the charger</li><li data-bbox="378 711 703 732">7. Contact your EV company or dealer</li></ol>

\*Each model of EV contains different charging condition and gun release method, please refer to your user manual.

## (011-XXX) Troubleshooting - Error Code

011-XXX contains charger's parts or connection fault message; please unplug charging connector, turn power off, reconnect the issued part and then power on the unit. If same error code be displayed, then must be serviced by qualified technician. Please contact your dealer.

## Troubleshooting - Warning Code Form

Status code	Conditions	Troubleshooting methods
012200 → 012214	Abnormal input voltage	<ol style="list-style-type: none"> <li>1. Charging can be enabled after electrical grid supply regularly</li> <li>2. Please check the input power or turn off and restart the charger</li> <li>3. Please contact your dealer</li> </ol>
012223 → 012232	Abnormal environment or devices temperature	<ol style="list-style-type: none"> <li>1. Keep the air flow inlet and outlet clear or remove heat sources, charging will be enabled after cooling down</li> <li>2. Maloperation of over temperature protection or devices over temperature. Please contact your dealer</li> </ol>
012241 → 012244	External network disconnected	<ol style="list-style-type: none"> <li>1. Code scanning or app authorize application are unavailable for the moment, please change to RFID or other authorizations</li> <li>2. Please contact network management staff for network inspection</li> </ol>
012251	Emergency switch is pressed	<ol style="list-style-type: none"> <li>1. Please release the emergency switch by rotating, charging will be enabled after warning code is removed. (Meanwhile, if it shows service page, please rotating back the switch, turn off and restart the charger)</li> <li>2. Please contact your dealer or turn off and restart the charger</li> </ol>

Status code	Conditions	Troubleshooting methods
012304	Communication error between power and charging gun cabinet	<ol style="list-style-type: none"> <li>1. Please make sure the ethernet cable connection between cabinets to be reliable</li> <li>2. If there is no green light solid on power cabinet, please reset it</li> <li>3. Please contact your dealer for further instruction</li> </ol>

### (013-XXX) Troubleshooting-Message code from charger

Code 013-XXX contains setup, maintenance, or reference hint messages, generally there is no impact on charging. Please charging with general process and contact your dealer.

### (023-XXX) Troubleshooting - Message code from EV

023-XXX contains messages from EV, it means communication or charging procedure error, these errors cause charging or cable unplug cannot be proceeded. Please refer to your EV manual for charging setup or backup procedure, then eliminate fault status by following steps, or contact charger management staff.

1. Unplug the charging cable and wait for 5 more seconds. Plug the charging cable completely with a "clicking" sound and try the charging procedure again
2. Unplug the charging cable, try with the other one or charger
3. Unplug the charging cable, drive the EV away for few meters / feet and return, stop the EV, unplug the key, and try again
4. After unplugging the charging cable, check the EV whether charging mode and time limit have been enabled
5. If the charging process cannot be started and EV meter or charging indicator shows abnormal status or error messages, please follow your EV user manual for troubleshooting

6. After unplugging the charging cable, contact management staff to turn off restart the charger and try again
7. If charging terminated but the charging cable cannot be unplugged, please follow the EV user manual, press release button (on EV or remote controller) or manual unlock switch. If all these methods are unavailable, please contact management staff to turn off and restart the charger

Status code	Conditions	Troubleshooting methods
23758	EV side feedback code procedure error	<ol style="list-style-type: none"> <li>1. Please unplug the charging cable, release EV side charging limit, and try again</li> <li>2. Please follow step 1~7 for troubleshooting</li> </ol>
23809	Charger missed the first-message from EV	<ol style="list-style-type: none"> <li>1. Charging cable is not locked by EV side, please unplug, and plug the charging cable completely with a "clicking" sound</li> <li>2. Please follow step 1~7 for trouble shooting</li> </ol>
23814	EV side hand shaking feedback incorrect	<ol style="list-style-type: none"> <li>1. Please unplug the charging cable, restart BMS on EV side, and try again</li> <li>2. Please follow step 1~7 for troubleshooting</li> </ol>
23844	EV side V2G communication time out	<ol style="list-style-type: none"> <li>1. Please unplug the charging cable, restart BMS on EV side, and try again</li> <li>2. Please follow step 1~7 for troubleshooting</li> </ol>
23847	Charging cable insulation test time out	<ol style="list-style-type: none"> <li>1. Please unplug the charging cable and try again</li> <li>2. Please unplug the charging cable, restart the charger, and try again</li> </ol>



Status code	Conditions	Troubleshooting methods
23889	Noise interference or charging terminated from EV side causes control guide status error	<ol style="list-style-type: none"><li>1. Please unplug the charging cable, restart BMS on EV side, and try again</li><li>2. Please follow step 1~7 for troubleshooting</li></ol>
23891	Charger not ready	<ol style="list-style-type: none"><li>1. Please unplug the charging cable, wait for 5 more seconds, and try again</li><li>2. Please unplug the charging cable, restart the charger, and try again</li></ol>
23983	Charging terminated by unknown request from	<ol style="list-style-type: none"><li>1. Check whether charging target or time is limited</li><li>2. Follow the EV operating indication for troubleshooting</li><li>3. Please unplug the charging cable, restart BMS on EV side, and try again</li></ol>

## (033-XXX) Troubleshooting-Message code from charger network

033-XXX contains messages from charger control server which is running intelligent remote control. Please follow the remote procedure or contact management staff to arrange for charging.

Status code	Conditions	Troubleshooting methods
033900 033901 033902	Back-End disconnected for the moment	<ol style="list-style-type: none"> <li>Code scanning and app authorization is unavailable for the moment, please change to RFID or others authorization</li> <li>Please contact management staff to check Back-End server connectivity</li> <li>If the connection cannot be restored after router or AP restart, please restart the main/ sub cabinets</li> <li>If the connection cannot be restored after main/ sub cabinet restart, please turn off the whole charger and restart</li> <li>Please contact your dealer</li> </ol>
033903	Charging started by remote control	<ol style="list-style-type: none"> <li>Remote authorization passed, please plug in the charging cable for charging</li> <li>Contact management staff for further instructions</li> </ol>
033904	Charging stopped by remote control	<ol style="list-style-type: none"> <li>Charging meets setup time, Watt-Hour or amount, charging terminated by remote control</li> <li>Contact management staff for further instructions</li> </ol>
033905	Restart by remote control	<ol style="list-style-type: none"> <li>Charger reset and maintain process by remote control, charging terminated</li> <li>Contact management staff for further instructions</li> </ol>

## 1.2 Status codes

Status code	Description
011002	CCS output fuse blew
011004	RCD/CCID self-test fail
011005	AC input contactor 1 welding
011006	AC input contactor 1 driving fault
011007	AC input contactor 2 welding
011008	AC input contactor 2 driving fault
011009	AC output relay welding
011010	AC output relay driving fault
011013	CCS output relay welding
011014	CCS output relay driving fault
011017	AC connector temperature sensor broken
011019	CCS connector temperature sensor broken
011021	WiFi module broken
011023	Aux. power module broken
011024	Relay control module /smart box broken
011027	AC connector lock fail

Status code	Description
011029	CCS module broken
011031	PSU module broken
011032	RCD/CCID module broken
011033	Maximum Output Current setup error
011034	Shutter fault
011035	Ble module broken
011036	Rotary switch fault
011037	CCS liquid chiller water level fault
011038	Chiller temperature sensor broken
011039	Parallel relay welding
011040	Parallel output relay driving fault
012200	System L1 input OVP
012201	System L2 input OVP
012202	System L3 input OVP
012203	System L1 input UVP
012204	System L2 input UVP
012205	System L3 input UVP
012206	PSU L1 input OVP

Status code	Description
012207	PSU L2 input OVP
012208	PSU L3 input OVP
012209	PSU L1 input UVP
012210	PSU L2 input UVP
012211	PSU L3 input UVP
012212	System L1 input drop
012213	System L2 input drop
012214	System L3 input drop
012215	System AC output OVP
012216	System AC L1 output OCP
012219	System CCS output OVP
012220	System CCS output OCP
012223	System ambient/inlet OTP
012224	System critical point OTP
012225	PSU ambient/inlet OTP
012226	PSU critical point OTP
012227	Aux. power module OTP
012228	Relay board/smart box OTP

Status code	Description
012230	CCS connector OTP
012232	AC connector OTP
012233	RCD/CCID trip
012235	CCS GFD trip
012237	SPD trip
012238	Main power breaker trip
012239	Aux. power breaker trip
012240	PSU communication fail
012241	WiFi module communication fail
012243	RFID module communication fail
012244	Bluetooth module communication fail
012245	LCM module communication fail
012246	Aux. power module communication fail
012247	Relay control board/smart box communication fail
012248	CCS module communication fail
012251	Emergency stop
012252	Door open
012253	System fan decay

Status code	Description
012254	Fail to create share memory
012255	CSU initialization failed
012256	AC Ground Fault
012257	MCU self-test Fault
012258	Relay self-test Fault
012260	CCS ground fault detection timeout (GFD)
012262	System AC L1 output Circuit Short
012263	PSU Duplicate ID
012264	PSU Output Short Circuit
012265	PSU Discharge Abnormal
012266	PSU Dc Side Shutdown
012267	PSU Failure Alarm
012268	PSU Protection Alarm
012269	PSU Fan Failure Alarm
012270	PSU Input UVP
012271	PSU Input OVP
012272	PSU Walk In State
012273	PSU Power Limited State

Status code	Description
012274	PSU Id Repeat
012275	PSU Severe Uneven Current
012276	PSU Three Phase Input Inadequate
012277	PSU Three Phase Onput Imbalance
012278	PSU Ffc Side Shutdown
012279	NO PSU Resource
012280	Self test Failed due to communication of Relay board failure
012281	Self test Failed due to communication of Fan board failure
012282	Self test Failed due to communication of Primary failure
012283	Self test Failed due to communication of Chademo board failure
012284	Self test Failed due to communication of CCS board failure
012285	Self test Failed due to AC Contact failure
012286	Self test Failed due to communication of PSU failure
012287	Self test Failed due to Model name is none match
012288	CCS output UVP
012291	Self test Failed due to communication of GBT board failure
012292	Self test Failed due to communication of AC failure
012293	Self test Failed due to communication of Led board failure



Status code	Description
012294	AC input ovp
012295	AC input uvp
012297	CCS ground fault detection - warning
012299	System AC L2 output OCP
012300	System AC L3 output OCP
012301	System AC L2 output Circuit Short
012302	System AC L3 output Circuit Short
012303	CCS liquid chiller water level warning
012304	disconnected from power cabinet
012305	Meter communication timeout
012306	The dip switch of the PSU may be incorrect
012307	Psu Fault : Fuse Burn-Out
012308	Psu Fault : Pfc And DcDc Communication Fault
012309	Psu Fault : Bus Voltage Unbalance
012310	Psu Fault : Bus Over Voltage
012311	Psu Fault : Bus Voltage Abnormal
012312	Psu Fault : Bus Under Voltage
012313	Psu Fault : Input Phase Loss

Status code	Description
012314	Psu Fault : Fan Full Speed
012315	Psu Fault : Temperature Power Limit
012316	Psu Fault : Ac Power Limit
012317	Psu Fault : DcDc Eeprom Fault
012318	Psu Fault : Pfc Eeprom Fault
012319	Psu Dcdc Over Voltage
012321	System CCS output UCP
012323	System Chiller output OTP
012324	Connector 1 detects abnormal voltage on the output line
012325	Connector 2 detects abnormal voltage on the output line
012326	System task is lost
012327	System DC input ovp
012328	System DC input uvp
012329	Psu Fault : Psu Can Communication Fault
012330	Psu Fault : Psu Dc to Dc OTP
012331	Psu Fault : Psu Dc to Dc OVP
012332	Chiller Tube OTP
012333	Psu Fault : DC input ovp (Phase OVP)

Status code	Description
012343	Tilt sensor self-test failed
012344	Meter IC communication timeout
012345	Pilot negative error
012346	Psu Communication error with CSU
012347	AC: Local power sharing communication error (Slave disconnect from Master)
012348	Chiller Alarm Failure
012352	Payment system communication timeout
012353	Meter Slave Los Link
012354	Meter Sync Time Error
012355	Meter Start Transaction Error
012356	Meter Stop Transaction Error
012357	Meter Get Transaction Ocmf Error
013600	Normal stop charging by user
013601	Charging Time's up
013602	Replace system air filter
013604	Reach to CCS max. plugging times.
013606	Reach to AC max. plugging times.
013607	CSU firmware update fail

Status code	Description
013609	CCS Module firmware update fail
013611	Aux. power module firmware update fail
013612	Relay control module firmware update fail
013613	LCM module firmware update fail
013614	Bluetooth module firmware update fail
013615	WiFi module firmware update fail
013617	SMR firmware update fail
013618	RFID module firmware update fail
013619	Configured by USB flash drive
013620	Configured by backend
013621	Configured by webpage
013622	Disconnected from Internet through Ethernet
013623	Disconnected from Internet through WiFi
013625	Disconnected from AP through WiFi
013627	WiFi disabled (separated charger only)
013629	PSU quantity not match
023701	CCS EV communication Fail
023703	AC: pilot fault

Status code	Description
023737	CCS_EVCC_EVErrorCode_FAILED_RESSTemperatureInhibit
023738	CCS_EVCC_EVErrorCode_FAILED_EVShiftPosition
023739	CCS_EVCC_EVErrorCode_FAILED_ChargerConnectorLockFault
023740	CCS_EVCC_EVErrorCode_FAILED_EVRESSMalfunction
023741	CCS_EVCC_EVErrorCode_FAILED_ChargingCurrentdifferential
023742	CCS_EVCC_EVErrorCode_FAILED_ChargingVoltageOutOfRange
023743	CCS_EVCC_EVErrorCode_FAILED_ChargingSystemIncompatibility
023744	CCS_EVCC_EVErrorCode_FAILED_EmergencyEvent
023745	CCS_EVCC_EVErrorCode_FAILED_Breaker
023746	CCS_EVCC_EVErrorCode_FAILED_NoData
023747	CCS_EVCC_EVErrorCode_FAILED_reserved_by_DIN_A
023748	CCS_EVCC_EVErrorCode_FAILED_reserved_by_DIN_B
023749	CCS_EVCC_EVErrorCode_FAILED_reserved_by_DIN_C
023750	CCS_EVCC_EVErrorCode_FAILED_reserved_by_ISO_1
023751	CCS_EVCC_EVErrorCode_FAILED_reserved_by_ISO_2
023752	CCS_EVCC_EVErrorCode_FAILED_reserved_by_ISO_3
023753	CCS_EVCC_EVErrorCode_FAILED_reserved_by_OEM_1
023754	CCS_EVCC_EVErrorCode_FAILED_reserved_by_OEM_2

Status code	Description
023755	CCS_EVCC_EVErrorCode_FAILED_reserved_by_OEM_3
023756	CCS_EVCC_EVErrorCode_FAILED_reserved_by_OEM_4
023757	CCS_EVCC_EVErrorCode_FAILED_reserved_by_OEM_5
023758	CCS_SECC_ResponseCode_FAILED_SequenceError
023759	CCS_SECC_ResponseCode_FAILED_SignatureError
023760	CCS_SECC_ResponseCode_FAILED_UnknownSession
023761	CCS_SECC_ResponseCode_FAILED_ServiceIDInvalid
023762	CCS_SECC_ResponseCode_FAILED_Payment SelectionInvalid
023763	CCS_SECC_ResponseCode_FAILED_IdentificationSelectionInvalid
023764	CCS_SECC_ResponseCode_FAILED_ServiceSelectionInvalid
023765	CCS_SECC_ResponseCode_FAILED_CertificateExpired
023766	CCS_SECC_ResponseCode_FAILED_CertificateNotYetValid
023767	CCS_SECC_ResponseCode_FAILED_CertificateRevoked
023768	CCS_SECC_ResponseCode_FAILED_NoCertificateAvailable
023769	CCS_SECC_ResponseCode_FAILED_CertChainError
023770	CCS_SECC_ResponseCode_FAILED_CertValidationError
023771	CCS_SECC_ResponseCode_FAILED_CertVerificationError
023772	CCS_SECC_ResponseCode_FAILED_ContractCanceled

Status code	Description
023773	CCS_SECC_ResponseCode_FAILED_ChallengeInvalid
023774	CCS_SECC_ResponseCode_FAILED_WrongEnergyTransferMode
023775	CCS_SECC_ResponseCode_FAILED_WrongChargeParameter
023776	CCS_SECC_ResponseCode_FAILED_ChargingProfileInvalid
023777	CCS_SECC_ResponseCode_FAILED_TariffSelectionInvalid
023778	CCS_SECC_ResponseCode_FAILED_EVSEPresentVoltageTooLow
023779	CCS_SECC_ResponseCode_FAILED_PowerDeliveryNotApplied
023780	CCS_SECC_ResponseCode_FAILED_MeteringSignatureNotValid
023781	CCS_SECC_ResponseCode_FAILED_NoChargeServiceSelected
023782	CCS_SECC_ResponseCode_FAILED_ContactorError
023783	CCS_SECC_ResponseCode_FAILED_CertificateNotAllowedAtThisEVSE
023784	CCS_SECC_ResponseCode_FAILED_GAChargeStop
023785	CCS_SECC_ResponseCode_FAILED_AlignmentError
023786	CCS_SECC_ResponseCode_FAILED_ACDError
023787	CCS_SECC_ResponseCode_FAILED_AssociationError
023788	CCS_SECC_ResponseCode_FAILED_EVSEChargeAbort
023789	CCS_SECC_ResponseCode_FAILED_NoSupportedApp-Protocol
023790	CCS_SECC_ResponseCode_FAILED_ContractNotAccepted

Status code	Description
023791	CCS_SECC_ResponseCode_FAILED_MOUnknown
023792	CCS_SECC_ResponseCode_FAILED_OEM_Prov_CertificateRevoke
023793	CCS_SECC_ResponseCode_FAILED_OEM_SubCA1_ CertificateRevoked
023794	CCS_SECC_ResponseCode_FAILED_OEM_SubCA2_ CertificateRevoked
023795	CCS_SECC_ResponseCode_FAILED_OEM_RootCA_ CertificateRevoked
023796	CCS_SECC_ResponseCode_FAILED_MO_Prov_CertificateRevoked
023797	CCS_SECC_ResponseCode_FAILED_MO_SubCA1_ CertificateRevoked
023798	CCS_SECC_ResponseCode_FAILED_MO_SubCA2_ CertificateRevoked
023799	CCS_SECC_ResponseCode_FAILED_MO_RootCA_ CertificateRevoked
023800	CCS_SECC_ResponseCode_FAILED_CPS_Prov_CertificateRevoked
023801	CCS_SECC_ResponseCode_FAILED_CPS_SubCA1_ CertificateRevoked
023802	CCS_SECC_ResponseCode_FAILED_CPS_SubCA2_ CertificateRevoked
023803	CCS_SECC_ResponseCode_FAILED_CPS_RootCA_ CertificateRevoked
023804	CCS_SECC_ResponseCode_FAILED_reserved_1
023805	CCS_SECC_ResponseCode_FAILED_reserved_2
023806	CCS_SECC_ResponseCode_FAILED_reserved_3
023807	CCS_SECC_ResponseCode_FAILED_reserved_4
023808	CCS_SECC_ResponseCode_FAILED_reserved_5



Status code	Description
023809	CCS_SECC_TIMEOUT_SLAC_TT_EVSE_SLAC_init
023810	CCS_SECC_TIMEOUT_SLAC_TP_match_response
023811	CCS_SECC_TIMEOUT_CM_START_ATTEN_CHAR_IND
023812	CCS_SECC_TIMEOUT_SLAC_TT_EVSE_match_MNBC
023813	CCS_SECC_TIMEOUT_SLAC_TP_EVSE_avg_atten_calc
023814	CCS_SECC_TIMEOUT_SLAC_CM_ATTEN_CHAR_RSP
023815	CCS_SECC_TIMEOUT_SLAC_CM_VALIDATE_REQ_1ST CM_SLAC_MATCH_REQ
023816	CCS_SECC_TIMEOUT_SLAC_TT_EVSE_assoc_session
023817	CCS_SECC_TIMEOUT_SLAC_TT_EVSE_vald_toggle
023818	CCS_SECC_TIMEOUT_SLAC_CM_MNBC_SOUND_IND
023819	CCS_SECC_TIMEOUT_SLAC_CM_VALIDATE_REQ_2ND CM_SLAC_MATCH_REQ
023820	CCS_SECC_TIMEOUT_SLAC_reserved_3
023821	CCS_SECC_TIMEOUT_SLAC_reserved_4
023822	CCS_SECC_TIMEOUT_SLAC_reserved_5
023823	CCS_SECC_TIMEOUT_SLACC_SDP_UDP_TT_match_join
023824	CCS_SECC_TIMEOUT_SLACC_SDP_TCP_TT_match_join
023825	CCS_SECC_TIMEOUT_SLACC_SDP_TP_amp_map_exchange
023826	CCS_SECC_TIMEOUT_SLACC_SDP_TP_link_ready_notification

Status code	Description
023827	CCS_SECC_TIMEOUT_SLACC_SDP_reserved_1
023828	CCS_SECC_TIMEOUT_SLACC_SDP_reserved_2
023829	CCS_SECC_TIMEOUT_SLACC_SDP_reserved_3
023830	CCS_SECC_TIMEOUT_SLACC_SDP_reserved_4
023831	CCS_SECC_TIMEOUT_SLACC_SDP_reserved_5
023832	CCS_SECC_TIMEOUT_V2G_Msg_Performance_Time_SupportedAppProtocolRes
023833	CCS_SECC_TIMEOUT_V2G_Msg_Performance_Time_SessionSetupRes
023834	CCS_SECC_TIMEOUT_V2G_Msg_Performance_Time_ServiceDiscoveryRes
023835	CCS_SECC_TIMEOUT_V2G_Msg_Performance_Time_ServicePaymentSelectionRes
023836	CCS_SECC_TIMEOUT_V2G_Msg_Performance_Time_ContractAuthenticationRes
023837	CCS_SECC_TIMEOUT_V2G_Msg_Performance_Time_ChargeParameterDiscoveryRes
023838	CCS_SECC_TIMEOUT_V2G_Msg_Performance_Time_PowerDeliveryRes
023839	CCS_SECC_TIMEOUT_V2G_Msg_Performance_Time_CableCheckRes
023840	CCS_SECC_TIMEOUT_V2G_Msg_Performance_Time_PreChargeRes
023841	CCS_SECC_TIMEOUT_V2G_Msg_Performance_Time_CurrentDemandRes
023842	CCS_SECC_TIMEOUT_V2G_Msg_Performance_Time_WeldingDetectionRes
023843	CCS_SECC_TIMEOUT_V2G_Msg_Performance_Time_SessionStopRes
023844	CCS_SECC_TIMEOUT_V2G_Sequence_Time

Status code	Description
023845	CCS_SECC_TIMEOUT_V2G_ReadyToCharge_Performance_Time
023846	CCS_SECC_TIMEOUT_V2G_CommunicationSetup_Performance_Time
023847	CCS_SECC_TIMEOUT_V2G_CableCheck_Performance_Time (Output short circuit)
023848	CCS_SECC_TIMEOUT_V2G_CPState_Detection_Time
023849	CCS_SECC_TIMEOUT_V2G_CPOscillator_Retain_Time
023850	CCS_SECC_TIMEOUT_V2G_PreCharge_Performance_Time
023851	CCS_SECC_TIMEOUT_V2G_reserved_2
023852	CCS_SECC_TIMEOUT_V2G_reserved_3
023853	CCS_SECC_TIMEOUT_V2G_reserved_4
023854	CCS_SECC_TIMEOUT_V2G_reserved_5
023855	CCS_CAN_TIMEOUT_TP_GET_EV_TARGET_INFO
023856	CCS_CAN_TIMEOUT_TT_GET_EV_TARGET_INFO
023857	CCS_CAN_TIMEOUT_TP_GET_EV_BATTERY_INFO
023858	CCS_CAN_TIMEOUT_TT_GET_EV_BATTERY_INFO
023859	CCS_CAN_TIMEOUT_TP_EV_STOP_EVENT
023860	CCS_CAN_TIMEOUT_TT_EV_STOP_EVENT
023861	CCS_CAN_TIMEOUT_TP_EVSE_STOP_EVENT
023862	CCS_CAN_TIMEOUT_TT_EVSE_STOP_EVENT

Status code	Description
023863	CCS_CAN_TIMEOUT_TP_GET_MISC_INFO
023864	CCS_CAN_TIMEOUT_TT_GET_MISC_INFO
023865	CCS_CAN_TIMEOUT_TP_DOWNLOAD_REQUEST
023866	CCS_CAN_TIMEOUT_TT_DOWNLOAD_REQUEST
023867	CCS_CAN_TIMEOUT_TP_START_BLOCK_TRANSFER
023868	CCS_CAN_TIMEOUT_TT_START_BLOCK_TRANSFER
023869	CCS_CAN_TIMEOUT_TP_DATA_TRANSFER
023870	CCS_CAN_TIMEOUT_TT_DATA_TRANSFER
023871	CCS_CAN_TIMEOUT_TP_DOWNLOAD_FINISH
023872	CCS_CAN_TIMEOUT_TT_DOWNLOAD_FINISH
023873	CCS_CAN_TIMEOUT_TP_ISOLATION_STATUS
023874	CCS_CAN_TIMEOUT_TT_ISOLATION_STATUS
023875	CCS_CAN_TIMEOUT_TP_CONNECTOR_INFO
023876	CCS_CAN_TIMEOUT_TT_CONNECTOR_INFO
023877	CCS_CAN_TIMEOUT_TT_RTC_INFO
023878	CCS_CAN_TIMEOUT_TP_RTC_INFO
023879	CCS_CAN_TIMEOUT_TP_EVSE_PRECHARGE_INFO
023880	CCS_CAN_TIMEOUT_TT_EVSE_PRECHARGE_INFO
023881	CCS_CAN_TIMEOUT_MSG_Sequence

Status code	Description
023882	CCS_CAN_MSG_Unrecognized_CMD_ID
023883	CCS_SECC_DIN_Msg_Decode_Error
023884	CCS_SECC_DIN_Msg_Encode_Error
023885	CCS_SECC_ISO1_Msg_Decode_Error
023886	CCS_SECC_ISO1_Msg_Encode_Error
023887	CCS_SECC_ISO2_Msg_Decode_Error
023888	CCS_SECC_ISO2_Msg_Encode_Error
023889	CCS_SECC_CP_State_Error
023890	CCS_SECC_Unexpected_60V_Before_Charing_Error
023891	CCS_SECC_Not_Ready_For_Charging
023892	CCS_SECC_TIMEOUT_QCA7000_COMM (The firmware code of QCA7000 may not be installed, yet)
023893	CCS_SECC_FAIL_QCA7000_SETKEY
023979	CCS_EV full charging
023980	ERROR_CODE_CHADEMO_BMS_CHARGE_ALLOW_ERROR
023981	ERROR_CODE_CHADEMO_OUTPUT_VOLTAGE_MORE_THAN_10_PERCENT
023982	ERROR_CODE_CHADEMO_ADC_LESS_THAN_10V
023983	CCS_STOP by EV with unknow reason
023984	STOP by EVSE condition (Config or OCPP)

Status code	Description
033900	Disconnected from backend through Ethernet
033901	Disconnected from backend through WiFi
033903	Remote start charging by backend
033904	Remote stop charging by backend
033905	Remote reset by backend
041004	RCD/CCID self-test fail
041005	AC input contactor 1 welding
041006	AC input contactor 1 driving fault
041007	AC input contactor 2 welding
041008	AC input contactor 2 driving fault
041009	AC output relay welding
041010	AC output relay driving fault
041017	AC connector temperature sensor broken
041021	WiFi module broken
041023	Aux. power module broken
041024	Relay control module /smart box broken
041031	PSU module broken
041032	RCD/CCID module broken
041033	Maximum Output Current setup error

Status code	Description
041034	Shutter fault
041035	Ble module broken
041036	Rotary switch fault
042200	System L1 input OVP
042201	System L2 input OVP
042202	System L3 input OVP
042203	System L1 input UVP
042204	System L2 input UVP
042205	System L3 input UVP
042206	PSU L1 input OVP
042207	PSU L2 input OVP
042208	PSU L3 input OVP
042209	PSU L1 input UVP
042210	PSU L2 input UVP
042211	PSU L3 input UVP
042212	System L1 input drop
042213	System L2 input drop
042214	System L3 input drop

Status code	Description
042223	System ambient/inlet OTP
042224	System critical point OTP
042225	PSU ambient/inlet OTP
042226	PSU critical point OTP
042227	Aux. power module OTP
042228	Relay board/smart box OTP
042232	AC connector OTP
042233	RCD/CCID trip
042237	SPD trip
042238	Main power breaker trip
042239	Aux. power breaker trip
042240	PSU communication fail
042241	WiFi module communication fail
042244	Bluetooth module communication fail
042246	Aux. power module communication fail
042247	Relay control board/smart box communication fail
042251	Emergency stop
042252	Door open
042253	System fan decay



Status code	Description
042254	Fail to create share memory
042255	CSU initialization failed
042257	MCU self-test Fault
042258	Relay self-test Fault
042262	System AC L1 output Circuit Short
042263	PSU Duplicate ID
042264	Psu Fault : Output Short Circuit
042265	PSU Discharge Abnormal
042266	PSU Dc Side Shutdown
042267	PSU Failure Alarm
042268	PSU Protection Alarm
042269	Psu Fault : Fan Fault
042270	PSU Input UVP
042271	PSU Input OVP
042272	PSU WalkIn State
042273	Psu Fault : Power Limited State
042274	Psu Fault : Id Repeat
042275	Psu Fault : Severe Uneven Current

Status code	Description
042276	PSU Three Phase Input Inadequate
042277	PSU Three Phase Onput Imbalance
042278	PSU Ffc Side Shutdown
042279	NO PSU Resource
042280	Self test Failed due to communication of Relay board failure
042281	Self test Failed due to communication of Fan board failure
042282	Self test Failed due to communication of Primary failure
042283	Self test Failed due to communication of CHAdEMO board failure
042284	Self test Failed due to communication of CCS board failure
042285	Self test Failed due to AC Contact failure
042286	Self test Failed due to communication of PSU failure
042287	Self test Failed due to Model name is none match
042291	Self test Failed due to communication of GBT board failure
042292	Self test Failed due to communication of AC failure
042293	Self test Failed due to communication of Led board failure
042294	AC input ovp
042295	AC input uvp
042299	System AC L2 output OCP
042300	System AC L3 output OCP

Status code	Description
042301	System AC L2 output Circuit Short
042302	System AC L3 output Circuit Short
042304	Disconnected from dispenser
042305	Meter communication timeout
042306	The dip switch of the PSU may be incorrect
042307	Psu Fuse Burn-Out
042308	Psu Pfc And Dcdc Communication Fault
042309	Psu Bus Voltage Unbalance
042310	Psu Bus Over Voltage
042311	Psu Bus Voltage Abnormal
042312	Psu Bus Under Voltage
042313	Psu Input Phase Loss
042314	Psu Fan Full Speed
042315	Psu Temperature Power Limit
042316	Psu Ac Power Limit
042317	Psu Dcdc Eeprom Fault
042318	Psu Pfc Eeprom Fault
042319	Psu Dcdc Over Voltage

Status code	Description
042326	System task is lost
042327	DC input ovp
042328	DC input uvp
043600	Normal stop charging by user
043601	Charging Time's up
043602	Replace system air filter
043607	CSU firmware update fail
043611	Aux. power module firmware update fail
043612	Relay control module firmware update fail
043614	Bluetooth module firmware update fail
043615	WiFi module firmware update fail
043617	SMR firmware update fail
043618	RFID module firmware update fail
043619	Configured by USB flash drive
043620	Configured by backend
043621	Configured by webpage
043622	Disconnected from Internet through Ethernet
043623	Disconnected from Internet through WiFi

Status code	Description
043625	Disconnected from AP through WiFi
043627	WiFi disabled (separated charger only)
043629	PSU quantity not match

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