

Mar. 25, 2024

Saturn Error Code Analysis

European service team

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OCP error code.

Pwr errorcode A7 part



Vendor Error Code

```
[INFO] 2024-03-25T02:50:01.364+00 [ocpp] [cppipe.c: 116] =>CSMS:[2,"00GA0z1004B0eQuQBWSawkOrmkwWYzV0pCaC","StatusNotification",{ "connectorId": 2, "errorCode": "OtherError",  
"status": "Faulted", "timestamp": "2024-03-25T02:50:01.000Z", "vendorId": "StarCharge", "vendorErrorCode": "0x100202" }]  
[INFO] 2024-03-25T02:50:01.375+00 [comproc] chargingStatus = 8 , preChargingstatus = 0  
[INFO] 2024-03-25T02:50:01.417+00 [ocpp] [cppipe.c: 116] =>CSMS:[2,"ayqkaZbyaelaE0U0162AWKyRMKW68Z5aPmAm","StatusNotification",{ "connectorId": 0, "errorCode": "OtherError",  
"status": "Faulted", "timestamp": "2024-03-25T02:50:01.000Z", "vendorId": "StarCharge" }]  
[INFO] 2024-03-25T02:50:01.431+00 [comproc] =>SCREEN:FF 55 00 00 00 09 05 02 10 02 02 00 88  
[INFO] 2024-03-25T02:50:01.474+00 [ocpp] [cppipe.c: 248] <=CSMS:[3,"00GA0z1004B0eQuQBWSawkOrmkwWYzV0pCaC",{}]
```

OCPP error code in StatusNotification	故障代码 (Fault Code)	故障描述 (Fault Description)
GroundFailure	100206	接地故障 (Ground fault)
OverVoltage	200206	输入过压故障 (Input overvoltage fault)
UnderVoltage	200208	输入欠压故障 (Input undervoltage fault)
OverCurrentFailure	100213	过流故障 (Overcurrent fault)
HighTemperatured	100102	过温故障 (Over Temperature Failure)
PowerMeterFailure	10020F	电表通讯故障 (Electricity meter communication failure)
ReaderFailure	100005	读卡器通信故障 (Card reader communication failure)
InternalError	100215	漏电保护 (Earth leakage protection)
PowerSwitchFailure	100208	继电器故障 (Relay failure)
OtherError	100201	试用期结束 (End of trial period)
OtherError	100210	与底板通讯故障 (Communication failure with the base board)
OtherError	100009	TF卡异常 (TF card exception)
ConnectorLockFailure	100205	电子锁故障 (Electronic lock failure)
OtherError	100217	CP检测故障 (CP detects faults)
OtherError	100218	枪线不匹配 (Gun line mismatch)
OtherError	100007	与灯板通讯故障 (Communication failure with the light board)
OtherError	100008	屏幕通讯故障 (Screen communication failure)
OtherError	100202	急停 (Emergency stop)
OtherError	10020C	开盖 (Door open)



AC Stop Reason

```
[comproc] <=pwrboard:BB 47 01 [01] 09 02 08 01 00 00 00 80 00 00 C3 C5
[ocpp] [cpMeter.c: 1213] delete connId = 2 CycleMeter
[comproc] [STOP] Local Reason:1
[ocpp] [ocpp_app.c: 3265] CP_STOP - connId:2, idTag:E28B3BB9, stopMeter:154620,
[comproc] pwrCom error Code :128, Gun(2) PWM : 0.0
[ocpp] [cpAppInit.c: 177] Reset_StartChargeTimeout
[comproc] icomCode = 128,index=9
[ocpp] [chargingProfile.c: 1088] Fail to exec sql(delete from ChargingProfile wh
[comproc] icomCode = 128,index=9
```

stopReason in Screen	停止代码 (Stop Code)	停止原因描述 (Stop Reason Description)
STOP_EMERGENCYSTOPKEY	1	急停 (Emergency stop)
STOP_METERCOMMUERROR	2	电表通讯故障 (Electricity meter communication failure)
STOP_PEERROR	4	接地故障 (Ground fault)
STOP_OVERTEMP	7	过温故障 (Over Temperature Failure)
STOP_APRO	8	漏电故障 (Leakage fault)
STOP_METEROBNORMAL	9	电表异常故障 (Abnormal fault of electricity meter)
STOP_OTHER	10	开盖 (Door open)
STOP_CONNECTORRES	11	枪线错误 (Gun error)
STOP_NOEFCCURRENT	18	无有效电流/充满停止 (No effective current / full stop)
STOP_CHARGEBREAK	20	连接断开 (Disconnection)
STOP_CARDSTOP	21	刷卡停止 (Swipe Stop)
STOP_APPSTOP	23	远程停止 (Remote Stop)
STOP_CHARGEOUTOVERCURRENT	28	输出过流 (Output overcurrent)
STOP_CHARGEINOVERVOL	31	输入过压 (Input overvoltage)
STOP_CHARGEINLOWVOL	32	输入欠压 (Input undervoltage)
STOP_CHARGECONNECTERROR	36	连接异常(也许车端S2未闭合) (Connection abnormal (maybe car end S2 is not closed))
STOP_OUTPOWERSYN	62	继电器/接触器粘连 (Relay/contactor sticking)
STOP_OUTRELAYKEEPOPEN	72	继电器/接触器无法吸合 (Relay/contactor cannot be absorbed)
STOP_ELELOCKFAIL	73	电子锁无法吸合 (Electronic lock can not be sucked closed)
STOP_STOP_LED	74	灯板通讯故障 (Communication failure with the light board)



Pwr error code

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[comproc] pwrCom error Code :128, Gun(2) PWM : 0.0
[ocpp] [cpAppInit.c: 177] Reset_StartChargeTimeout
[comproc] iComCode = 128,index=9
[ocpp] [chargingProfile.c: 1088] Fail to exec sql(delete from ChargingPro
[comproc] iComCode = 128,index=9
[ocpp] [ocpp_app.c: 3291] current phyStat : 2
[comproc] priv->gunInfo[gunId[2] - 1].avail = 1, priv->updateStatus = 0
--
```

pwrCom error code (A7+M4)	故障代码	故障描述
Bit	Fault Code	Description
0	1	PE/接地
1	2	OverVol/过压
2	4	UnderVol/欠压
3	8	OverCur/过流
4	16	OverTemp/过温
5	32	MeterDataErr/电表数据错误
6	64	MeterCommErr/电表通讯错误
7	128	EStop/急停
8	256	CardReaderCommErr/读卡器通讯错误
9	512	GprsCommErr/GPRS通讯错误
10	1024	Leakage/漏电故障
13:11	/	rcv1/预留
14	16384	RelayAdhesion/继电器故障
15	32768	ElecLockFail/电子锁故障
16	65536	CpError/CP 故障
17	131072	MeterPhaseErr/相序故障
18	262144	ConnecterResErr/枪线错误
19	524288	LedUartErr/与灯板通讯故障
20	1048576	A7MeterCommErr/A7故障占位，电表通讯故障
21	2097152	A7CardReaderCommErr/A7故障占位，读卡器通讯故障
22	4194304	A7ttlCommErr/A7故障占位，A7与底板通讯故障
23	8388608	A7TtfCardErr/A7故障占位，外部存储器异常
24	16777216	A7LCDErr/A7故障占位，屏幕通讯故障
32:21	/	rcv2/预留



chargingStatus-当前枪状态
preChargingSatus-上次枪状态

```
[ocpp] [cpAppInit.c: 177] Reset_StartChargeTimeout  
[comproc] iComCode = 128,index=9  
[ocpp] [chargingProfile.c: 1088] Fail to exec sql(delete from ChargingProfile)  
[comproc] iComCode = 128,index=9  
[ocpp] [ocpp_app.c: 3291] current phyStat : 2  
[comproc] priv->gunInfo[gunId[2] - 1].avail = 1, priv->updateStatus = 0  
[ocpp] [dbus.c: 42] <=DBus:FF 6A A6 47 01 00 0F [00 01] 00 02 01 08 07 10 02  
[comproc] chargingStatus = 8, preChargingstatus = 2
```

Status	code	Meaning
Available	0x00	Ready
Preparing	0x01	Connector plugged
Charging	0x02	In charging
SuspendedEVSE	0x03	Smart power distribution
SuspendedEV	0x04	EV is not ready
Finishing	0x05	Charging stoped,but connector is still plugged
Reserved	0x06	Reserved
Unavailable	0x07	Unavailable
Faulted	0x08	Faulted





Thank You.

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