

# CTEK E-Mobility Vendor Error Codes

For r4.4.3-0-g33e0f28c

CTEK E-Mobility AB

January 16, 2024

## Contents

1	OCPP standard error codes	2
2	CTEK E-Mobility AB specific error codes	3

## 1 OCPP standard error codes

**ConnectorLockFailure** Failure to lock or unlock connector.  
This can also be sent together with a non-error status.

**GroundFailure** Ground fault circuit interrupter has been activated. In Chargestorm Connected 2, indicates an AC fault.

**GroundFailure** Ground fault circuit interrupter has been activated.

**HighTemperature** Temperature inside Charge Point is too high.  
This can also be sent together with a non-error status.

**OverCurrentFailure** Over current protection device has tripped.

**PowerSwitchFailure** Failure to control power switch.

## 2 CTEK E-Mobility AB specific error codes

**CBC\_LOOP** The EV has been seen switching between state B and state C too often.  
This can also be sent together with a non-error status.

**EVOverCurrent** The EV has been drawing too much, the charging session is temporarily suspended.  
This can also be sent together with a non-error status.

**ExcessiveContactorToggleCycles** Contactor has toggled excessively on/off during a short time period.

**FWUpdateRebootAwaitingEVDisconnect** Rebooting after firmware update is held up by at least one connected EV.  
This can also be sent together with a non-error status.

**FrequentPPChanges** PP signal has changed too many times during a short time period.  
This can also be sent together with a non-error status.

**MCU\_NOT\_RESPONDING** Internal MCU is not responding.

**MaxEnergyOnInvalidIdReached** The EV has used up the allowed energy, for an invalid IdToken.  
This can also be sent together with a non-error status.

**NgClientConnectionRefused** Nanogrid server refused connection.  
This can also be sent together with a non-error status.

**NgClientIncorrectPSK** Password provided by NanoGridClientPresharedKey is invalid.  
This can also be sent together with a non-error status.

**NgErrorClientLostConnection** Client has lost connection to GCU. This is set only on connector 1.  
This can also be sent together with a non-error status.

**NgErrorConfiguration** There is an error in nanogrid configuration.

**NgErrorOfflineEMS** Lost connection to energy management system.  
This can also be sent together with a non-error status.

**NgHomeErrorOvercurrentShutdown** Suspended charging due to overcurrent in a home nanogrid.  
This can also be sent together with a non-error status.

**NoPPDetected** The PP resistor can't be read / found.  
This can also be sent together with a non-error status.

**OcuErrorEnergyMeter** OCU internal EM failure, found only in Chargestorm Connected 2.

**OcuErrorFirmwareUpdate** Failure to update the OCU FW, found only in Chargestorm Connected 2.

**OcuErrorGPIOExpander** Internal OCU error, found only in Chargestorm Connected 2.

**OcuErrorGeneric** Generic OCU failure, found only in Chargestorm Connected 2.

**OcuErrorModbusCommunication** Communication timeout error with OCU

**OcuErrorNegativeCP** Negative side of the CP signal is detected.

**OcuErrorRCMCalibration** Failure to calibrate the AC/DC sensor, found only in Chargestorm Connected 2.

**OcuErrorRCMDC** DC error, found only in Chargestorm Connected 2.

**OcuErrorRelayCount** The OCU relays has been switched many times, found only in Chargestorm Connected 2. Note: this error is deprecated and no longer used. Use OCPP GetConfiguration OutletFirstContactorCycleCount and OutletSecondContactorCycleCount to get the counters. This can also be sent together with a non-error status.

**OcuErrorSelfTest** The OCU self-test failed, found only in Chargestorm Connected 2

**OcuErrorTemperature1** Temperature alarm from sensor 1 in the OCU, found only in Chargestorm Connected 2.

**OcuErrorTemperature2** Temperature alarm from sensor 2 in the OCU, found only in Chargestorm Connected 2.

**SessionAuthenticationNotPossible** Not able to authenticate a new charging session  
This can also be sent together with a non-error status.

**SessionEnergyReached** The EV has used up the allowed energy per charging session.  
This can also be sent together with a non-error status.

**UNKNOWN\_ERROR** Unhandled custom error. Shouldn't be seen.

**VentilationNotSupported** Ventilation was requested but it's not supported.  
This can also be sent together with a non-error status.