

# OCPP 1.6 Full Certificate



**Certificate holder:** Jianguo Tellus Power Co. Ltd.  
**Certificate number:** OCA.0016.0268.CS  
**Product type:** Charging Station  
**Product designation:** TP-EVPD-160KW  
OCPP Software version: 230202.2346  
Hardware feature set as stated below  
**Certification date:** February 6, 2023

This certificate attests that the above mentioned product successfully completed certification testing in conformance with the reference specification OCPP 1.6 – Edition 2 with OCPP 1.6 Errata sheet (v4.0 Release, 2019-10-23). The optional features of the protocol are also covered by this certification.

Test cases have been performed as described in the test report referred to below. The results and remarks can be found in the complete test report.

Applied tests	Performed by / on	Document evidence
<i>Conformance testing according to the test specification referenced by the test report</i>	<i>DNV Singapore Pte. Ltd., February 6, 2023</i>	<i>DNV_OCPP 1.6 Test Report_CP_Tellus Power_20230206</i>

The abstract of test report in the Annex is an integral part of this certificate. This certificate is valid from the Certification Date specified above. This certificate is only applicable to the product designation described above and permits the use of the OCPP logo as laid down in the OCA certification logo license agreement on this product only.

This certificate shall neither be tendered nor accepted by any party as a guarantee covering quality of a product which includes OCPP. The Open Charge Alliance, and/or its agents, including, inter-alia, test laboratories, disclaim liability for any damages or losses incurred by the certified company or by any other party resulting from reliance on the results of OCPP certification testing.

For the Open Charge Alliance:

**ONOPH CARON**  
Chairman

A blue ink signature of Onoph Caron, Chairman of the Open Charge Alliance.

## Abstract of test report

### Test Result Summary

Test Report OCPP 1.6 Certification	
Test laboratory:	DNV Singapore Pte. Ltd.
Location:	Singapore
Test Report Reference:	DNV_OCPP1.6_TEST_CP_20230206
Vendor name:	Jiangsu Tellus Power Co. Ltd.
Device Under Test:	Charging Station
Communication:	JSON
OCPP Software version:	230202.2346

Test Result Summary for the certified functionalities		
Functionalities	OCPP 1.6 Certification Test Results	Description
<b>Core</b>	<b>Pass</b>	Basic Charging Station functionality for booting, authorization (incl. cache if available), configuration, transactions, remote control.
<b>Optional features</b>		
<b>Firmware Management</b>	<b>Pass</b>	Support for (remote) firmware update management and diagnostic log file download.
<b>Smart Charging</b>	<b>Pass</b>	Support for Smart Charging (all profile types, including stacking), to control charging.
<b>Reservation</b>	<b>Pass</b>	Support for reservation of a connector of a Charging Station.
<b>Local Authorization List Management</b>	<b>Pass</b>	Features to manage a local list in the charging station containing authorization data for whitelisting users.
<b>Remote Trigger</b>	<b>Pass</b>	Support for remotely triggering messages that originate from a Charging Station. This can be used for resending messages or for getting the latest information from the Charging Station.

## Performance Measurement Results

Performance Measurement Results			
Name	PICS value	Measured value	Description
OCPP triggered function timeout:	50 seconds	0:00:37	The response time for when waiting for an OCPP function with its corresponding request message. (Firmware update, Diagnostics and Reboot are excluded from this measurement.)
OCPP response timeout:	10 seconds	0:00:01	The response time for when waiting for an OCPP response message.
Response time RemoteStartTransaction:	1 seconds	0:00:00	The response time for the RemoteStartTransaction message.

## Test Configuration

### Test Configuration

<b>Vendor</b>	Jiangsu Tellus Power Co. Ltd.
<b>DUT / SUT</b>	Charge Point
<b>Communication</b>	JSON
<b>Type</b>	TP-EVPD-160KW
<b>OCPP Software version</b>	230202.2346
<b>OCTT version</b>	OCTT 1.6 v 1.4.3

### Hardware feature set

Feature	Configuration
Socket(s) / connector(s)	Multiple
Fixed cable	Yes
Communication technology	WiFi / ethernet / mobile network
RFID readers	single

### Non-OCPP Charge Point Configuration


Configuration key	Value
<>	<>


All other relevant limits and non-OCPP settings that are relevant for the test laboratory and for the correct functioning of the CSMS:

Limit / setting	Value
Device supports sending milliseconds in timestamps.	Yes

OCPP Charging Station Configuration	
Configuration key	Value
AllowOfflineTxForUnknownId	TRUE
AuthorizationCacheEnabled	TRUE
AuthorizeRemoteTxRequests	TRUE
BlinkRepeat	-
ClockAlignedDataInterval	0
ConnectionTimeOut	60
ConnectorPhaseRotation	NotApplicable
ConnectorPhaseRotationMaxLength	-
GetConfigurationMaxKeys	47
HeartbeatInterval	60
LightIntensity	100
LocalAuthorizeOffline	TRUE
LocalPreAuthorize	FALSE
MaxEnergyOnInvalidId	-
MessageTimeout	-
MeterValuesAlignedData	Energy.Active.Import.Register
MeterValuesAlignedDataMaxLength	-
MeterValuesSampledData	Energy.Active.Import.Register
MeterValuesSampledDataMaxLength	-
MeterValueSampleInterval	0
MinimumStatusDuration	0
NumberOfConnectors	2
ResetRetries	0
StopTransactionMaxMeterValues	-
StopTransactionOnEVSideDisconnect	TRUE
StopTransactionOnInvalidId	TRUE
StopTxnAlignedData	Energy.Active.Import.Register
StopTxnAlignedDataMaxLength	-
StopTxnSampledData	Energy.Active.Import.Register
StopTxnSampledDataMaxLength	-
SupportedFeatureProfiles	Core,FirmwareManagement,LocalAuthListManagement,Reservation,SmartCharging,RemoteTrigger
SupportedFeatureProfilesMaxLength	-
TransactionMessageAttempts	3
TransactionMessageRetryInterval	5
UnlockConnectorOnEVSideDisconnect	FALSE
WebSocketPingInterval	5
LocalAuthListEnabled	FALSE
LocalAuthListMaxLength	100
SendLocalListMaxLength	100
ReserveConnectorZeroSupported	FALSE
ChargeProfileMaxStackLevel	1
ChargingScheduleAllowedChargingRateUnit	Power,Current
ChargingScheduleMaxPeriods	12
ConnectorSwitch3to1PhaseSupported	-
MaxChargingProfilesInstalled	3
SupportedFileTransferProtocols	ftp, ftps, http, https

Statement of Approval

Vendor		Date: 2023.02.06
Name	Michael Pang	Signature
Company	Jiangsu Tellus Power Co. Ltd.	
Department	R&D	
Position	R&D Project Manager	
Location	Jiangsu, China	

Test laboratory		Date: 2023.02.06
Name	Sukoco	Signature
Company	DNV Singapore Pte. Ltd.	
Department	Energy Systems	
Position	Senior Consultant	
Location	Singapore	