

OCPP 1.6 Subset Certificate



Certificate holder: EVAR

Certificate number: OCA.0016.0048.CS

Product type: Charging Station

Product designation: AC CS / ELA011C01
OCPP Software version: 1.0.0

Certification date: February 16, 2022

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 covered by this certificate can be found in the abstract of this certificate.

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>Korea Smart Grid Association, February 16, 2022</i>	<i>KSGA_20220216_Test Report_EVAR</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:	Korea Smart Grid Association
Location:	Seoul , Korea
Test Report Reference:	KSGA_20220216_Test Report_EVAR
Vendor name:	EVAR
Device Under Test:	Charging Station
Communication:	JSON
OCPP Software version:	1.0.0

Test Result Summary for the certified functionalities		
Functionalities	OCPP 1.6	Description
Core	Pass	Basic Charging Station functionality for booting, authorization (incl. cache if available), configuration, transactions, remote control.
Optional functionalities		
Firmware Management	N/A	Support for (remote) firmware update management and diagnostic log file download.
Smart Charging	N/A	Support for Smart Charging (all profile types, including stacking), to control charging.
Reservation	N/A	Support for reservation of a connector of a Charging Station.
Local Authorization List Manager	N/A	Features to manage a local list in the charging station containing authorization data for whitelisting users.
Remote Trigger	N/A	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:	30s	00:00:17	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:	10s	00:00:03	The response time for when waiting for an OCPP response message.
Response time RemoteStartTransaction:	10s	00:00:01	The response time for the RemoteStartTransaction message.

Test Configuration

Test Configuration

Vendor	EVAR
DUT / SUT	Charging Station
Communication	JSON
Type	ELA011C01
OCPP Software version	1.0.0
OCTT version	OCTT 1.6 v1.4.2

Hardware feature set

Feature	Configuration
Socket(s) / connector(s)	Single
Fixed cable	<Yes>
Communication technology	WiFi
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	NO

OCPP Charging Station Configuration	
Configuration key	Value
AllowOfflineTxForUnknownId	FALSE
AuthorizationCacheEnabled	FALSE
AuthorizeRemoteTxRequests	TRUE
BlinkRepeat	
ClockAlignedDataInterval	0
ConnectionTimeOut	300
ConnectorPhaseRotation	NotApplicable
ConnectorPhaseRotationMaxLength	1
GetConfigurationMaxKeys	20
HeartbeatInterval	300
LightIntensity	
LocalAuthorizeOffline	FALSE
LocalPreAuthorize	FALSE
MaxEnergyOnInvalidId	0
MessageTimeout	300
MeterValuesAlignedData	Energy.Active.Import.Register
MeterValuesAlignedDataMaxLength	10
MeterValuesAlignedDataMaxLength	10
MeterValuesSampledData	Energy.Active.Import.Register
MeterValuesSampledDataMaxLength	10
MeterValueSampleInterval	10
MinimumStatusDuration	0
NumberOfConnectors	1
ResetRetries	3
StopTransactionMaxMeterValues	20
StopTransactionOnEVSideDisconnect	TRUE
StopTransactionOnInvalidId	TRUE
StopTxnAlignedData	0
StopTxnAlignedDataMaxLength	20
StopTxnSampledData	0
StopTxnSampledDataMaxLength	20
SupportedFeatureProfiles	Core
SupportedFeatureProfilesMaxLength	1
TransactionMessageAttempts	10
TransactionMessageRetryInterval	5
UnlockConnectorOnEVSideDisconnect	FALSE
WebSocketPingInterval	10s
LocalAuthListEnabled	FALSE
LocalAuthListMaxLength	50
SendLocalListMaxLength	50
ReserveConnectorZeroSupported	FALSE
ChargeProfileMaxStackLevel	5
ChargingScheduleAllowedChargingRateUnit	Ampere
ChargingScheduleMaxPeriods	24
ConnectorSwitch3to1PhaseSupported	FALSE
MaxChargingProfilesInstalled	24
SupportedFileTransferProtocols	

Statement of Approval

Vendor		Date: 2022.02.16
Name	Kijae Kim	Signature
Company	EVAR Inc.	
Department	R&D Center	
Position	CTO	
Location	Seongnam, Korea	

Test laboratory		Date: 2022.02.16
Name	Philip YANG	Signature
Company	Korea Smart Grid Association	
Department	Quality Certification Center	
Position	Senior Researcher	
Location	Seoul, Korea	