

OCPP 1.6 Subset Certificate



Certificate holder: HiEV Charger
Certificate number: OCA.0016.0543.CS
Product type: Charging Station
Product designation: EVW007SK-SC
OCPP Software version: 1.01
Hardware feature set as stated below
Certification date: October 10, 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 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, October 10, 2023</i>	<i>(KSGA)HiEV Charger_Test Report template_EVW007SK-SC_231010</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.

Abstract of test report

Test Result Summary

Test Report OCPP 1.6 Certification		
Test laboratory:	Korea Smart Grid Association	
Location:	Seoul, Korea	
Test execution location:	HiEV Charger (Pyeongtaek, Korea)	
Test Report Reference:	KSGA-OCPP1.6TEST-172-2023	
Vendor name:	HiEV Charger	
Device Under Test:	Charging Station	
Communication:	JSON	
OCPP Software version:	1,01	
Product designation:	EVW007SK-SC	
Test Result Summary for the certified functionalities		
Functionalities	OCPP 1.6 Certification Test Results	Description
Core	Pass	Basic Charging Station functionality for booting, authorization (incl. cache if available), configuration, transactions, remote control.
Optional features		
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 Management	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

Name	PICS value	Measured value	Description
OCPP triggered function timeout:	60s	00:00:11	The response time for when waiting for an OCPP function with its corresponding request message. (Firmware update, Diagnostics and Reboot are
OCPP response timeout:	60s	00:00:01	The response time for when waiting for an OCPP response message.
Response time RemoteStartTransaction:	60s	00:00:00	The response time for the RemoteStartTransaction message.

Test Configuration

Vendor	HiEV Charger
DUT / SUT	Charging Station
Communication	JSON
Type	EVW007SK-SC
OCPP Software version	1,01
OCTT version	OCTT 1.6 v1.4.3

Hardware feature set

Feature	Configuration
Socket(s) / connector(s)	Single
Fixed cable	<Yes>
Communication technology	Ethernet
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	-
AuthorizeRemoteTxRequests	TRUE
BlinkRepeat	-
ClockAlignedDataInterval	0
ConnectionTimeOut	60
ConnectorPhaseRotation	NotApplicable
ConnectorPhaseRotationMaxLength	-
GetConfigurationMaxKeys	21
HeartbeatInterval	20
LightIntensity	-
LocalAuthorizeOffline	TRUE
LocalPreAuthorize	FALSE
MaxEnergyOnInvalidId	-
MessageTimeout	-
MeterValuesAlignedData	Current.Import, Current.Offered, Energy.Active.Import.Register, Energy.Active.Import.Interval, Power.Offered, SoC, Temperature, Voltage
MeterValuesAlignedDataMaxLength	-
MeterValuesSampledData	Current.Import, Current.Offered, Energy.Active.Import.Register, Energy.Active.Import.Interval, Power.Offered, SoC, Temperature, Voltage
MeterValuesSampledDataMaxLength	-
MeterValueSampleInterval	20
MinimumStatusDuration	-
NumberOfConnectors	1
ResetRetries	1
StopTransactionMaxMeterValues	-
StopTransactionOnEVSideDisconnect	TRUE
StopTransactionOnInvalidId	TRUE
StopTxnAlignedData	Current.Import, Current.Offered, Energy.Active.Import.Register, Energy.Active.Import.Interval, Power.Offered, SoC, Temperature, Voltage
StopTxnAlignedDataMaxLength	-
StopTxnSampledData	Current.Import, Current.Offered, Energy.Active.Import.Register, Energy.Active.Import.Interval, Power.Offered, SoC, Temperature, Voltage
StopTxnSampledDataMaxLength	-
SupportedFeatureProfiles	Core
SupportedFeatureProfilesMaxLength	-
TransactionMessageAttempts	3
TransactionMessageRetryInterval	30
UnlockConnectorOnEVSideDisconnect	FALSE
WebSocketPingInterval	-
LocalAuthListEnabled	-
LocalAuthListMaxLength	-
SendLocalListMaxLength	-
ReserveConnectorZeroSupported	-
ChargeProfileMaxStackLevel	-
ChargingScheduleAllowedChargingRateUnit	-
ChargingScheduleMaxPeriods	-
ConnectorSwitch3to1PhaseSupported	-
MaxChargingProfilesInstalled	-
SupportedFileTransferProtocols	-

Statement of Approval

Vendor		Date: 2023.10.10
Name	Dong Ju Kang	Signature 
Company	HiEV Charger	
Department	-	
Position	CEO	
Location	Pyeongtaek, Korea	

Test laboratory		Date: 2023.10.10
Name	Philip YANG	Signature 
Company	Korea Smart Grid Association	
Department	Quality Certification Center	
Position	Chief Researcher	
Location	Seoul, Korea	