OCPP 1.6 Subset Certificate



Certificate holder: Signet EV

Certificate number: OCA.0016.0010.CS

Product type: Charging Station

Product designation: DC High Power Charger(HDP350K-NCM2), OCPP Software version: Sv2.45c

Certification date: June 3, 2021

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
Conformance testing according to the test specification referenced by the test report	Korea Smart Grid Association, June 3, 2021	KSGA_20210604_Test Report_Signet EV_V105

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



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_202106	04_Test Report_Signet EV_V105		
Vendor name:	Signet EV			
Device Under Test:	Charging Stat	ion		
Communication:	JSON			
OCPP Software version:	Sv2.45c			
Test Result Summary	for the ce	rtified 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 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 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.		

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Performance Measurement Results

Performance Measurement Results			
Name OCPP triggered function timeout:	PICS value 60s	**Firmware Update timeout: 0:00:00 ** Get Diagonostics timeout: 0:00:00 ** Reboot timeout: 0:00:00 ** OCPP triggered function timeout: 0:00:00	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 s	00:00:01	The response time for when waiting for an OCPP response message.
Response time RemoteStartTransaction:	10s	00:00:00	The response time for the RemoteStartTransaction message.

Test Configuration

Test Configuration				
Vendor <signet ev=""></signet>				
DUT / SUT	Charging Station			
Communication JSON				

	-		
DUT / SUT	Charging Station		
Communication	JSON		
Туре	DC / HDP350K-NCM2		
OCPP Software version	Sv2.45c		
OCTT version	OCTT 1.6 v1.4.2		

Hardware feature set				
Feature Configuration				
Socket(s) / connector(s)	Multiple			
Fixed cable <yes></yes>				
Communication technology Mobile network				
RFID readers One per EVSE				



StopTransactionOnInvalidId - StopTxnAlignedData 0 StopTxnAlignedDataMaxLength 0 StopTxnSampledData 0 StopTxnSampledData 0 StopTxnSampledDataMaxLength 0 SupportedFeatureProfiles Core SupportedFeatureProfilesMaxLength 4 TransactionMessageAttempts 5 TransactionMessageRetryInterval 60 UnlockConnectorOnEVSideDisconnect FALSE WebSocketPingInterval 60 LocalAuthListEnabled FALSE LocalAuthListMaxLength 1000 SendLocalListMaxLength 500 ReserveConnectorZeroSupported TRUE ChargeProfileMaxStackLevel 20 ChargingScheduleAllowedChargingRateUnit watt ChargingScheduleMaxPeriods 24 ConnectorSwitch3to1PhaseSupported FALSE MaxChargingProfilesInstalled 20	OCPP Charging Station	Configuration
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SupportedFileTransferProtocols FTP		
	SupportedFileTransferProtocols	FTP

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Non-OCPP Charge Point Configuration			
Configuration key Value			
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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.	no		



Statement of Approval

Vendor		Date: 2021.06.03
Name	Kwangyoun CHO	Signature
Company	Signet EV Inc.	V
Department	R&D SI Dept.	lija
Position	Deputy General Manager	144
Location	Goyang-si gyeonggi-do , Korea	' \

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