OCPP 1.6 Full Certificate



Certificate holder: Hyundai Kefico

Certificate number: OCA.0016.0514.CSMS

Product type: Charging Station Management System

Product designation: BLUE PLUG CSMS

OCPP Software version: v1.0.0

Certification date: October 20, 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
Conformance testing according to the test specification referenced by the test report	Korea Smart Grid Association, October 20, 2023	(KSGA)Hyundai Kefico_Test Report template_CSMS_231020

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:

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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-OCPP1.6TEST-175-2023		
Vendor name:	Hyundai Kefico		
Device Under Test:	CSMS		
Communication:	JSON		
OCPP Software version:	v1.0.0		
Test Result Summary	for the ce	rtified functionalities	
Functionalities	OCPP 1.6	Description	
	Certification		
	Test Results		
Core	Pass	Basic Charging Station functionality for booting, authorization (incl. cache if available), configuration, transactions, remote control.	
Optional features			
Firmware Management	Pass	Support for (remote) firmware update management and diagnostic log file download.	
Smart Charging	Pass	Support for Smart Charging (all profile types, including stacking), to control charging.	
Reservation	Pass	Support for reservation of a connector of a Charging Station.	
Local Authorization List Managemen	Pass	Features to manage a local list in the charging station containing authorization data for whitelisting users.	
Remote Trigger	Pass	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

Name	PICS value	Measured value	Description
OCPP response timeout:	10s	00:00:01	The response time for when waiting for an OCPP response message.
Response time Authorize:	10s	00:00:01	The response time for the Authorize message.

Test Configuration

Vendor	Hyundai Kefico
DUT / SUT	CSMS
Communication	JSON
OCPP Software version	v1.0.0
OCTT version All relevant limits and non-OCPP setting	OCTT 1.6 v1.4.3 s that are relevant for the test
	s that are relevant for the test
All relevant limits and non-OCPP setting	s that are relevant for the test
All relevant limits and non-OCPP setting laboratory and for the correct functioning	s that are relevant for the test ng of the CSMS:

Statement of Approval

Vendor		Date : 2023.10.20	
Name	Young Sun Cho	Signature	
Company	Hyundai Kefico		
Department	EV Charger Development Team	200101	
Position Senior Research Engineer		10000	
Location	Gyeonggi-do, Korea	1	

Test laboratory		Date: 2023.10.20
Name	Philip YANG	Signature
Company	Korea Smart Grid Association	ام
Department	Quality Certification Center	
Position	Chief Researcher	
Location	Seoul, Korea	

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