# OCPP 1.6 Full Certificate



Certificate holder:	Daeyoung Chaevi
Certificate number:	OCA.0016.0097.CS
Product type:	Charging Station
Product designation:	CS/DCV-3WB7C-V2 OCPP Software version: CS.AC.1.0.0.1 / Hardware feature set as stated below
Certification date:	April 12, 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 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, April 12, 2022	KSGA_20220412_Test Report_Daeyoung Chaevi

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



# 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-042-2022	
Vendor name:	Daeyoung Ch	naevi	
Device Under Test:	Charging Stat	tion	
Communication:	JSON		
OCPP Software version:	CS.AC.1.0.0.1		
Test Result Summary	/ for the ce	ertified 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	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 Managemer	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

Performance Measurement Results				
Name	PICS value	Measured value	Description	
OCPP triggered function timeout:	90s	00:01:04	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:	30s	00:00:01	The response time for when waiting for an OCPP response message.	
Response time RemoteStartTransaction:	30s	00:00:00	The response time for the RemoteStartTransaction message.	

#### Test Configuration

## **Test Configuration**

Vendor	Daeyoung Chaevi
DUT / SUT	Charging Station
Communication	JSON
Туре	CS/DCV-3WB7C-V2
OCPP Software version	CS.AC.1.0.0.1
OCTT version	OCTT 1.6 v1.4.3

Hardware feature set				
Feature Configuration				
Socket(s) / connector(s)	Single			
Fixed cable	<yes></yes>			
Communication technology	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	

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CPP 1.6 Fully Certified

Configuration keyValueAllowOfflineTxForUnknownId-AuthorizeRemoteTxRequestsIRUEBlinkRepeat-ClockAlignedDataInterval0ConnectorPhaseRotation-ConchigurationMaxLength-GetConfigurationMaxLength-GetConfigurationMaxLength-ColarkthorizeOfflineTRUELocalAuthorizeOfflineTRUELocalAuthorizeOfflineTRUELocalAuthorizeOfflineTRUELocalAuthorizeOffline-MeterValuesAlignedData-MeterValuesAlignedDataMaxLength200MeterValuesAlignedDataMaxLength200MeterValuesAlignedDataMaxLength200MeterValuesAlignedDataMaxLength200MeterValuesSampledDataMaxLength200MeterValuesSampledDataMaxLength-NumberOfConnectors1ResetRetries-StopTransactionOnEvSideDisconnect-StopTansactionOnEvSideDisconnect-StopTansactionOnEvSideDisconnect-StopTansampledDataMaxLength-StopTansampledDataMaxLength-StopTansampledDataMaxLength-StopTansampledDataMaxLength-StopTansactionOnEvSideDisconnectFALSEStopTansampledDataMaxLength-StopTansampledDataMaxLength-StopTansampledDataMaxLength-StopTansampledDataMaxLength-StopTansampledDataMaxLength-StopTansampledDataMaxLength-StopTansationMasMeterV	OCPP Charging Station	Configuration
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	ConnectorSwitch3to1PhaseSupported	-
SupportedFileTransferProtocols ftp, ftps	MaxChargingProfilesInstalled	3
	SupportedFileTransferProtocols	ftp, ftps

#### **OCPP Charging Station Configuration**

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# Statement of Approval

Vendor		Date: 2022.04.12
Name	KyungSoo Bae	Signature
Company	Daeyoung Chaevi	11/20/20
Department	Technique Center	13/22/
Position	Managing Director	' /
Location	Daegu, Korea	

Test laboratory		Date: 2022.04.12
Name	Philip YANG	Signature
Company	Korea Smart Grid Association	1.4
Department	Quality Certification Center	7/
Position	Senior Researcher	
Location	Seoul, Korea	-/

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