OCPP 1.6 Full Certificate



Certificate holder: EVAR Inc.

Certificate number: OCA.0016.0558.CS

Product type: Charging Station

Product designation: ELA007C02

OCPP Software version: 0.1.1

Hardware feature set as stated below

Certification date: November 8, 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, November 8, 2023	(KSGA)EVAR_Test Report template_ELA007C02_231031

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 laboratory:	Korea Smart Grid Association				
Location:	Seoul, Korea				
Test execution location:	KSGA Test Lab)			
Test Report Reference:	KSGA-OCPP1.	.6TEST-202-2023			
Vendor name:	EVAR Inc.				
Device Under Test:	Charging Stat	ion			
Communication:	JSON				
OCPP Software version:	0.0.1				
Product designation:	ELA007C02				
		area to a second			
Test Result Summary	y 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			
Smart charging	1 033	types, including stacking), to control			
		charging.			
Reservation	Pass	Support for reservation of a connector			
neservation	1 433	of a Charging Station.			
		or a charging station.			
Local Authorization List Manageme	Pass	Features to manage a local list in the			
Eocal Flathon East Managemen	1 433	charging station containing			
		authorization data for whitelisting			
		users.			
Remote Trigger	Pass	Support for remotely triggering			
nemote rrigger	F d 5 5	messages that originate from a			
		Charging Station. This can be used for			
		Charging Station. This can be used for			

Test Report OCPP 1.6 Certification

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Station.

resending messages or for getting the latest information from the Charging



Performance Measurement Results

Name	PICS value	Measured value	Description
OCPP triggered function timeout:	200s	00:00:06	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:	15s	00:00:00	The response time for the RemoteStartTransaction message.

Test Configuration

Vendor	EVAR Inc.			
DUT / SUT	Charging Station			
Communication	JSON			
Туре	ELA007C02			
OCPP Software version	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	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

Device supports sending milliseconds in timestamps.

Yes



Allow Offline Tst ForUnknownId	OCPP Charging Station Configuration				
Allow Offline TxForUnknownId TRUE AuthorizationCacheEnabled - AuthorizeRemoteTxRequests TRUE BlinkFlepeat - ClockAlignedDataInterval 0 ConnectorImeOut 60 ConnectorPhaseRotation NotApplicable ConnectorPhaseRotationMaxLength <pre> optional> GetConfigurationMaxKeys 31 HeartbeatInterval 20 Lighthrensity - LocalAuthorizeOffline TRUE LocalAuthorizeOffline TRUE MaxEnergyOnInvalidd - Message Timeout - MessageTimeout - MeterValuesAlignedData Energy.Active.Import.Register MeterValuesSampledData Energy.Active.Import.Register MeterValuesSampleInterval 20 MinimumStatusDuration - NumberOfConnectors 1 StopTransactionOnEvSideDisconnect TRUE StopTxnAsignedData Energy.Active.Import.Register StopTxnAilignedData - StopTxnSampledData -</pre>	Configuration key	Value			
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BlinkRepeat	AuthorizationCacheEnabled	-			
BlinkRepeat	AuthorizeRemoteTxRequests	TRUE			
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Statement of Approval

Vendor		П	Date: 2023.11.08
Name	Kijae Kim		Signature
Company	EVAR Inc.		. 0
Department	R&D Center		
Position	СТО		7//
Location	Seongnam, Korea		' /

Test laboratory		Date : 2023.11.08
Name	Philip YANG	Signature
Company	Korea Smart Grid Association	1.
Department	Quality Certification Center	2
Position	Chief Researcher	
Location	Seoul, Korea	,