OCPP 1.6 Subset Certificate



Certificate holder:	EL-Electric
Certificate number:	OCA.0016.0241.CS
Product type:	Charging Station
Product designation:	AC7kW/WEV-A07PW OCPP Software version: 1.1.1 Hardware feature set as stated below
Certification date:	December 21, 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 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	<i>Korea Smart Grid</i> <i>Association,</i> December 21, 2022	KSGA_20221221_Test Report EL- Electric

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

Seoul , Korea		
nalities		
ation functionality		
tion (incl. cache if		
ration, transaction		
e) firmware update		
diagnostic log file		
Charging (all profile		
acking), to control		
ation of a connect		
ì.		
ge a local list in the		
ontaining		
for whitelisting use		
ly triggering		
ginate from a Charg		
e used for resendi		
etting the latest		
e Charging Station		
etting the lat		

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Performance Measurement Results

Performance Measurement Results			
Name	PICS value	Measured value	Description
OCPP triggered function timeout:	60s	00:00:25	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:	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

Test Configuration

Vendor	EL-Electric
DUT / SUT	Charging Station
Communication	JSON
Туре	AC7kW/WEV-A07PW
OCPP Software version	1.1.1
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	Value
Device supports sending milliseconds in timestamps.	Yes

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Subset Certified

OCPP Charging Station Configuration			
Configuration key	Value		
AllowOfflineTxForUnknownId	FALSE		
AuthorizationCacheEnabled	FALSE		
AuthorizeRemoteTxRequests	FALSE		
BlinkRepeat	0		
ClockAlignedDataInterval	0		
ConnectionTimeOut	90		
ConnectorPhaseRotation	Unknown		
ConnectorPhaseRotationMaxLength	0		
GetConfigurationMaxKeys	0		
HeartbeatInterval	60		
LightIntensity	0		
LocalAuthorizeOffline	FALSE		
LocalPreAuthorize	FALSE		
MaxEnergyOnInvalidId	0		
MessageTimeout	-		
MeterValuesAlignedData	0		
MeterValuesAlignedDataMaxLength	50		
MeterValuesSampledData	Energy.Active.Import.Register		
MeterValuesSampledDataMaxLength	50		
MeterValueSampleInterval	5		
MinimumStatusDuration	0		
NumberOfConnectors	1		
ResetRetries	0		
StopTransactionMaxMeterValues	50		
	FALSE		
StopTransactionOnInvalidId	FALSE		
StopTxnAlignedData	0		
StopTxnAlignedDataMaxLength	50		
StopTxnSampledData	0		
StopTxnSampledDataMaxLength	50		
SupportedFeatureProfiles	Core		
SupportedFeatureProfilesMaxLength	5		
TransactionMessageAttempts	0		
TransactionMessageRetryInterval	10		
UnlockConnectorOnEVSideDisconnect	FALSE		
WebSocketPingInterval	0		
LocalAuthListEnabled	-		
LocalAuthListMaxLength	-		
SendLocalListMaxLength	-		
ReserveConnectorZeroSupported	-		
ChargeProfileMaxStackLevel	-		
ChargingScheduleAllowedChargingRateUnit	-		
ChargingScheduleMaxPeriods	-		
ConnectorSwitch3to1PhaseSupported	-		
MaxChargingProfilesInstalled	-		
SupportedFileTransferProtocols	-		

OCPP Charging Station Configuration

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Statement of Approval

Vendor		Date: 2022.12.21
Name	Park Jeonggeun	Signature
Company	EL-Electric	
Department	President	D.V
Position	Chief Executive Officer	JICY
Location	Chungcheongbuk-do, Korea	

Test laboratory		Date: 2022.12.21
Name	Philip YANG	Signature
Company	Korea Smart Grid Association	4
Department	Quality Certification Center	
Position	Senior Researcher	
Location	Seoul, Korea	

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