

OCPP 1.6 Full Certificate



Certificate holder: The NewMotion BV

Certificate number: OCA.0016.0014.CS

Product type: Charging Station

Product designation: NewMotion Connect
OCPP Software version: 1.11.0.RC20B

Certification date: July 6, 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 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
<i>Conformance testing according to the test specification referenced by the test report</i>	DEKRA Certification Inc., July 6, 2021	<i>Dekra_20210607_Test Report_ The NewMotion BV_V105</i>

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

A blue ink signature of Onoph Caron, the Chairman of the Open Charge Alliance.

Abstract of test report

Test Result Summary

Test Report OCPP 1.6 Certification	
Test laboratory:	DEKRA Certification Inc.
Location:	Arnhem, Netherlands
Test Report Reference:	Dekra_20210607_Test Report_The NewMotion BV_V105
Vendor name:	The NewMotion BV
Device Under Test:	Charging Station
Communication:	JSON
OCPP Software version:	1.11.0.RC20B

Test Result Summary for the certified 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 Management	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.

Performance Measurement Results

Performance Measurement Results			
Name	PICS value	Measured value	Description
OCPP triggered function timeout:	20 sec.	3 sec.	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:	20 sec.	6 sec.	The response time for when waiting for an OCPP response message.
Response time RemoteStartTransaction:	5 sec.	1 sec.	The response time for the RemoteStartTransaction message.

Test Configuration

Test Configuration

Vendor	The NewMotion BV
DUT / SUT	Charge Point
Communication	JSON
Type	NewMotion Connect
OCPP Software version	1.11.0.RC20B
OCTT version	OCTT 1.6 v1.4.2

Hardware feature set

Feature	Configuration
Socket(s) / connector(s)	Single
Fixed cable	With and without fixed cable
Communication technology	WiFi / ethernet / 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.	No

OCPP Charging Station Configuration	
Configuration key	Value
AllowOfflineTxForUnknownId	True
AuthorizationCacheEnabled	True
AuthorizeRemoteTxRequests	True
BlinkRepeat	5
ClockAlignedDataInterval	0
ConnectionTimeOut	60
ConnectorPhaseRotation	0.RTS, 1.RTS
ConnectorPhaseRotationMaxLength	N/A
GetConfigurationMaxKeys	300
HeartbeatInterval	60
LightIntensity	80
LocalAuthorizeOffline	True
LocalPreAuthorize	False
MaxEnergyOnInvalidId	N/A
MessageTimeout	N/A
MeterValuesAlignedData	Energy.Active.Import.Register
MeterValuesAlignedDataMaxLength	N/A
MeterValuesSampledData	Energy.Active.Import.Register
MeterValuesSampledDataMaxLength	N/A
MeterValueSampleInterval	60
MinimumStatusDuration	0
NumberOfConnectors	1
ResetRetries	1
StopTransactionMaxMeterValues	N/A
StopTransactionOnEVSideDisconnect	True
StopTransactionOnInvalidId	False
StopTxnAlignedData	True
StopTxnAlignedDataMaxLength	N/A
StopTxnSampledData	Value: empty
StopTxnSampledDataMaxLength	N/A
SupportedFeatureProfiles	Core, Firmwaremanagement, LocalAuthListManagement, Reservation, SmartCharging, RemoteTrigger
SupportedFeatureProfilesMaxLength	6
TransactionMessageAttempts	2
TransactionMessageRetryInterval	60
UnlockConnectorOnEVSideDisconnect	False
WebSocketPingInterval	60
LocalAuthListEnabled	True
LocalAuthListMaxLength	20
SendLocalListMaxLength	200
ReserveConnectorZeroSupported	False
ChargeProfileMaxStackLevel	12
ChargingScheduleAllowedChargingRateUnit	Current, Power
ChargingScheduleMaxPeriods	40
ConnectorSwitch3to1PhaseSupported	True
MaxChargingProfilesInstalled	20
SupportedFileTransferProtocols	FTP, FTPS, HTTP, HTTPS

Statement of Approval

Vendor		Date: 06/07/2021
Name	Stijn Vispoel	Signature
Company	Ecological Innovation N.V.	
Department	R&D	
Position	R&D manager	
Location	Lokeren	

Test laboratory		Date: 06/07/2021
Name	Laurens Mooi	Signature
Company	DEKRA Certification B.V.	
Department	Consutmer Safety	
Position	Test Enigneer	
Location	Arnhem	