

OCPP 1.6 Subset Certificate



Certificate holder: Dover Fueling Solutions
Certificate number: OCA.0016.0481.CS
Product type: Charging Station
Product designation: DFS Power UX 180
OCPP Software version: UMEV06 v2.29, UMEV05 v2.88*
Certification date: November 27, 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 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
<i>Conformance testing according to the test specification referenced by the test report</i>	<i>DEKRA Testing & Certification B.V., November 27, 2023</i>	<i>Test Report_ChargingStation_v1.05-DFS Signed</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, Chairman of the Open Charge Alliance.

Abstract of test report

Test Result Summary

Test Report OCPP 1.6 Certification		
Test laboratory:	DEKRA Testing & Certification	
Location:	Arnhem, Netherlands	
Test Report Reference:	227754100	
Vendor name:	Dover Fueling Solutions	
Device Under Test:	Charging Station	
Communication:	JSON	
OCPP Software version:	UMEV06 v2.29, UMEV05 v2.88*	
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	N/A	Support for (remote) firmware update management and diagnostic log file download.
Smart Charging	N/A	Support for Smart Charging (all profile types, including stacking), to control charging.
Reservation	N/A	Support for reservation of a connector of a Charging Station.
Local Authorization List Management	N/A	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

Name	PICS value	Measured value	Description
OCPP triggered function timeout:	6	6	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:	1	1	The response time for when waiting for an OCPP response message.
Response time RemoteStartTransaction:	0	0	The response time for the RemoteStartTransaction message.

Test Configuration

Vendor	<Dover Fueling Solutions>
DUT / SUT	Charging station
Communication	JSON
Type	<Power UX 180>
OCPP Software version	UMEV06 v2.29, UMEV05 v2.88*
OCTT version	OCTT 1.6 v1.4.3

* Version UMEV06 v2.29 applies to the AC-DC Power-Cabinet, version UMEV05 v2.88 applies to the DC Charger-Posts (Satellites)

Hardware feature set

Feature	Configuration
Socket(s) / connector(s)	Multiple
Fixed cable	<Yes>
Communication technology	Ethernet
RFID readers	one per EVSE

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

OCPP Charging Station Configuration	
Configuration key	Value
AllowOfflineTxForUnknownId	FALSE
AuthorizationCacheEnabled	FALSE
AuthorizeRemoteTxRequests	TRUE
BlinkRepeat	0
ClockAlignedDataInterval	0
ConnectionTimeOut	30s
ConnectorPhaseRotation	-
ConnectorPhaseRotationMaxLength	-
GetConfigurationMaxKeys	30
HeartbeatInterval	300s
LightIntensity	50%
LocalAuthorizeOffline	TRUE
LocalPreAuthorize	TRUE
MaxEnergyOnInvalidId	1000wh
MessageTimeout	< optional >
MeterValuesAlignedData	Energy.Active.Import.Register, Voltage, Current.Import, Power.Active.Import, SoC
MeterValuesAlignedDataMaxLength	-
MeterValuesSampledData	Energy.Active.Import.Register, Voltage, Current.Import, Power.Active.Import, SoC
MeterValuesSampledDataMaxLength	"-"
MeterValueSampleInterval	60s
MinimumStatusDuration	0s
NumberOfConnectors	2
ResetRetries	0
StopTransactionMaxMeterValues	< optional >
StopTransactionOnEVSideDisconnect	TRUE
StopTransactionOnInvalidId	TRUE
StopTxnAlignedData	Energy.Active.Import.Register, SoC
StopTxnAlignedDataMaxLength	-
StopTxnSampledData	Energy.Active.Import.Register, SoC
StopTxnSampledDataMaxLength	-
SupportedFeatureProfiles	Core,RemoteTrigger
SupportedFeatureProfilesMaxLength	-
TransactionMessageAttempts	60
TransactionMessageRetryInterval	3s
UnlockConnectorOnEVSideDisconnect	FALSE
WebSocketPingInterval	-
LocalAuthListEnabled	TRUE
LocalAuthListMaxLength	10
SendLocalListMaxLength	10
ReserveConnectorZeroSupported	FALSE
ChargeProfileMaxStackLevel	-
ChargingScheduleAllowedChargingRateUpperLimit	-
ChargingScheduleMaxPeriods	-
ConnectorSwitch3to1PhaseSupported	-
MaxChargingProfilesInstalled	-
SupportedFileTransferProtocols	-

Statement of Approval

Vendor		Date: 17/08/2023
Name	David Tanugraha	Signature 
Company	Dover Fueling Solutions	
Department	EV Charging	
Position	Staff Engineer	
Location	Bladel, The Netherlands	

Test laboratory		Date: 27-11-2023
Name	Faruk Güngör	Signature 
Company	DEKRA Testing & Certification B.V.	
Department	CEEM	
Position	Test Engineer	
Location	Arnhem, Netherlands	