

# OCPP 1.6 Full Certificate



**Certificate holder:** Autel Digital Power Co., Ltd.  
**Certificate number:** OCA.0016.0741.CS  
**Product type:** Charging Station  
**Product designation:** MaxiCharger DC Fast  
OCPP Software version: V1.24.87  
Hardware feature set as stated below  
**Certification date:** May 2, 2024

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>	<i>DNV Singapore Pte. Ltd., May 2, 2024</i>	<i>DNV_OCPP 1.6 Test Report_CP_MaxiCharger DC Fast_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		
<b>Test laboratory:</b>	DNV Singapore Pte. Ltd.	
<b>Location:</b>	Singapore	
<b>Test execution location:</b>	Singapore	
<b>Test Report Reference:</b>	DNV_OCPP1.6_TEST_CP_MaxiCharger DC Fast	
<b>Vendor name:</b>	Autel Digital Power Co., Ltd.	
<b>Device Under Test:</b>	Charging Station	
<b>Communication:</b>	JSON	
<b>OCPP Software version:</b>	V1.24.87	
<b>Product designation:</b>	MaxiCharger DC Fast	
Test Result Summary for the certified functionalities		
Functionalities	OCPP 1.6 Certification Test Results	Description
<b>Core</b>	<b>Pass</b>	Basic Charging Station functionality for booting, authorization (incl. cache if available), configuration, transactions, remote control.
Optional features		
<b>Firmware Management</b>	<b>Pass</b>	Support for (remote) firmware update management and diagnostic log file download.
<b>Smart Charging</b>	<b>Pass</b>	Support for Smart Charging (all profile types, including stacking), to control charging.
<b>Reservation</b>	<b>Pass</b>	Support for reservation of a connector of a Charging Station.
<b>Local Authorization List Management</b>	<b>Pass</b>	Features to manage a local list in the charging station containing authorization data for whitelisting users.
<b>Remote Trigger</b>	<b>Pass</b>	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:	50 seconds	0:00:36	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:	30 seconds	0:00:13	The response time for when waiting for an OCPP response message.
Response time RemoteStartTransaction:	30 seconds	0:00:00	The response time for the RemoteStartTransaction message.

### Test Configuration

<b>Vendor</b>	<b>Autel Digital Power Co., Ltd.</b>
<b>DUT / SUT</b>	<b>Charge Point</b>
<b>Communication</b>	<b>JSON</b>
<b>Type</b>	<b>MaxiCharger DC Fast</b>
<b>OCPP Software version</b>	<b>V1.24.87</b>
<b>OCTT version</b>	<b>OCTT 1.6 v 1.4.3</b>

#### Hardware feature set

Feature	Configuration
Socket(s) / connector(s)	Multiple
Fixed cable	Yes
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.	Yes

OCPP Charging Station Configuration	
Configuration key	Value
AllowOfflineTxForUnknownId	true
AuthorizationCacheEnabled	false
AuthorizeRemoteTxRequests	true
BlinkRepeat	-
ClockAlignedDataInterval	0
ConnectionTimeout	120
ConnectorPhaseRotation	RST
ConnectorPhaseRotationMaxLength	-
GetConfigurationMaxKeys	74
HeartbeatInterval	30
LightIntensity	-
LocalAuthorizeOffline	true
LocalPreAuthorize	false
MaxEnergyOnInvalidId	-
MessageTimeout	-
MeterValuesAlignedData	Energy.Active.Import.Register, Voltage, Current.Import, Power.Active.Import, Power.Offered, SoC
MeterValuesAlignedDataMaxLength	-
MeterValuesSampledData	Energy.Active.Import.Register, Voltage, Current.Import, Power.Active.Import, Power.Offered, SoC
MeterValuesSampledDataMaxLength	-
MeterValueSampleInterval	30
MinimumStatusDuration	-
NumberOfConnectors	2
ResetRetries	1
StopTransactionMaxMeterValues	-
StopTransactionOnEVSideDisconnect	false
StopTransactionOnInvalidId	true
StopTxnAlignedData	Energy.Active.Import.Register, Voltage, Current.Import, Power.Active.Import, Power.Offered, SoC
StopTxnAlignedDataMaxLength	2
StopTxnSampledData	""
StopTxnSampledDataMaxLength	-
SupportedFeatureProfiles	Core, FirmwareManagement, LocalAuthListManagement, SmartCharging, RemoteTrigger
SupportedFeatureProfilesMaxLength	-
TransactionMessageAttempts	3
TransactionMessageRetryInterval	2
UnlockConnectorOnEVSideDisconnect	false
WebSocketPingInterval	15
LocalAuthListEnabled	true
LocalAuthListMaxLength	100000
SendLocalListMaxLength	1000
ReserveConnectorZeroSupported	false
ChargeProfileMaxStackLevel	1
ChargingScheduleAllowedChargingRateUnit	Power
ChargingScheduleMaxPeriods	32
ConnectorSwitch3to1PhaseSupported	false
MaxChargingProfilesInstalled	20
SupportedFileTransferProtocols	-

Statement of Approval

Vendor		Date: 2024.5.2
Name	Wang Licheng	Signature  Licheng Wang
Company	Autel Digital Power Co., Ltd.	
Department	Certification Testing Department	
Position	Safety Compliance Engineer	
Location	China	

Test laboratory		Date: 2024.5.2
Name	Liu Xinyang	Signature  刘馨阳
Company	DNV Singapore Pte. Ltd.	
Department	Energy Systems	
Position	Consultant	
Location	Singapore	