OCPP 1.6 Full Certificate



Certificate holder:	Dalian Luobinsen Power Equipment Co.,Ltd
Certificate number:	OCA.0016.0385.CS
Product type:	Charging Station
Product designation:	LNkW-EN OCPP Software version: 1.0.00 Hardware feature set as stated below
Certification date:	August 2, 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	DNV Singapore Pte. Ltd., August 2, 2023	DNV_OCPP 1.6 Test Report_CP_Luobinsen

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 Report OCPP 1.6 Certification			
Test laboratory:	DNV Singapor	e Pte. Ltd.	
Location:	Dalian, China		
Test Report Reference:	DNV_OCPP1.6_TEST_CP_20230802		
Vendor name:	Dalian Luobins	sen Power Equipment Co.,Ltd	
Device Under Test:	Charging Statio	on	
Communication:	JSON		
OCPP Software version:	1.0.00		
Test Result Summar	y for the cei	rtified 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

Name	PICS value	Measured value	Description
OCPP triggered function timeout:	60 seconds	58 seconds	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:	10 seconds	1 second	The response time for when waiting for an OCPP response message.
Response time RemoteStartTransaction:	1 second	1 second	The response time for the RemoteStartTransaction message.

Test Configuration

	Dalian Luobinsen Power Equipment
Vendor	Co.,Ltd
DUT / SUT	Charge Point
Communication	JSON
Туре	LNkW-EN
OCPP Software version	1.0.00
OCTT version	OCTT 1.6 v 1.4.3

Hardware feature set			
Feature Configuration			
Socket(s) / connector(s)	Multiple		
Fixed cable	Yes		
Communication technology	WiFi / ethernet / mobile network		
RFID readers	single		

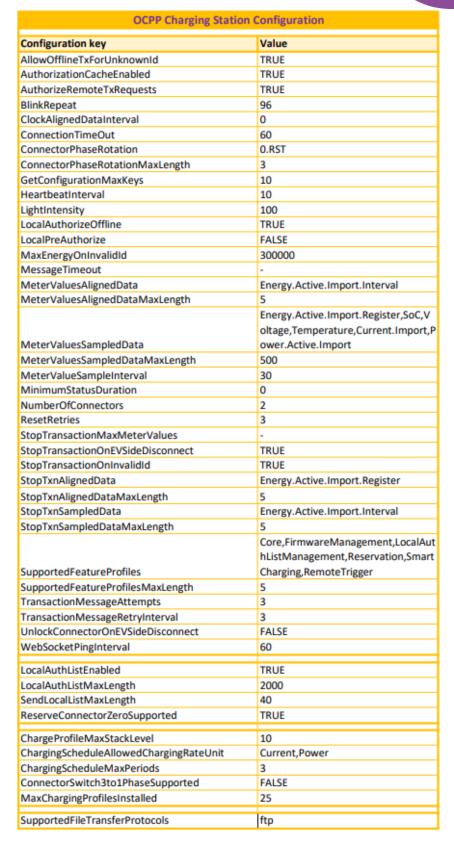
Non-OCPP Charge Point Configuration

Configuration key	Value
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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

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Statement of Approval

Vendor		Date: 2023.08.02
Name	魏东升 Dongsheng Wei	Signature
Company	Dalian Luobinsen Power Equipment Co.,Ltd	~
Department	R & D	a gnt
Position	R & D Director	
Location	Dalian, China	

Test laboratory		Date: 2023.08.02	
Name	Sukoco	Signature	
Company	DNV Singapore Pte. Ltd.	* DNA	
Department	Energy Systems		
Position	Senior Consultant	97d 976	
Location	Singapore		

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