OCPP 1.6
Security Certificate

OCPP 1.6
Security
Certified

Certificate holder:	Starcharge Energy Pte. Ltd.
Certificate number:	OCA.0016.0729.CSMS
Product type:	Charging Station Management System
Product designation:	Charging Station Management System OCPP Software version: v1.1
Certification date:	April 29, 2024

This certificate attests that the above mentioned product successfully completed security certification testing in conformance with the reference specification Security Whitepaper – Edition 3 (Improved security for OCPP 1.6-J v1.3, 2022-02-17). The security profiles 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	*DNV Singapore Pte. Lte.,* April 29, 2024	*DNV_OCPP 1.6 Test Report_CSMS_Starcharge_signed*

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 Singapore Pte. Ltd.**
Location:	Singapore
Test Report Reference:	DNV_OCPP1.6TEST_CSMS_Starcharge
Vendor name:	**Starcharge Energy Pte. Ltd.**
Device Under Test:	CSMS
Communication:	JSON
OCPP Software version:	v1.1

Test Result Summary for the certified security functionalities		
Functionalities	**OCPP 1.6 Security Certification Test Results**	**Description**
Security Profile 1	Pass	Unsecured Transport with Basic Authentication Profile 1 is optional.
Security Profile 2	Pass	TLS (1.2 or higher) with Basic Authentication Security profile 2 or security profile 3 or both must be implemented.
Security Profile 3	N/A	TLS (1.2 or higher) with Client Side Certificates Security profile 2 or security profile 3 or both must be implemented.

Statement of Approval

Vendor		Date: 29.04.2024
Name	Yicong Zhou	Signature
Company	Starcharge Energy Pte. Ltd.	
Department	Cloud BD	
Position	Cloud Product Solution Manager	
Location	Singapore	

Test laboratory		Date: 29.04.2024
Name	Liu Xinyang	Signature
Company	DNV Singapore Ptd. Ltd.	
Department	Energy Systems	
Position	Consultant	
Location	Singapore	