

OCPP 1.6 Security Certificate



Certificate holder:	HKD Green Tech UG
Certificate number:	OCA.0016.0358.CSMS
Product type:	Charging Station Management System
Product designation:	EM-CSMS OCPP Software version: 1.1.0
Certification date:	May 22, 2023

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
<i>Conformance testing according to the test specification referenced by the test report</i>	<i>DNV Netherlands B.V., May 22, 2023</i>	<i>DNV 20230522_Test Report_HKD GreenTech_v104</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:	DNV	
Location:	Arnhem	
Test Report Reference:	DNV 20230522_Test Report_HKD GreenTech_v104	
Vendor name:	HKD GreenTech	
Device Under Test:	CSMS	
Communication:	JSON	
OCPP Software version:	1.1.0	
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: 2023-05-22
Name	Jawad Munir	Signature
Company	HKD Green Tech UG	
Department		
Position	CEO	
Location	Igensdorf, Germany	

Test laboratory		Date: 2023-05-22
Name	Casper van der Sluis	Signature
Company	DNV	
Department	Digital System Operations	
Position	Consultant Digital System Operations	
Location	Arnhem	