

# OCPP 1.6 Security Certificate



**Certificate holder:** PNE Systems Inc.  
**Certificate number:** OCA.0016.0670.CS  
**Product type:** Charging Station  
**Product designation:** EVQ-31S-LHW  
OCPP Software version: 2.0.0  
**Certification date:** February 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
<i>Conformance testing according to the test specification referenced by the test report</i>	<i>Korea Smart Grid Association, February 29, 2024</i>	<i>(KSGA)PNE SYSTEMS_Test Report_EVQ-31S-LHW_v1.5</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	
<b>Test laboratory:</b>	Korea Smart Grid Association
<b>Location:</b>	Seoul, Korea
<b>Test Report Reference:</b>	KSGA-OCPP1.6TEST-033-2024
<b>Vendor name:</b>	PNE SYSTEMS inc.
<b>Device Under Test:</b>	Charging Station
<b>Communication:</b>	JSON
<b>OCPP Software version:</b>	2.0.0
<b>Hardware feature set:</b>	
<b>Socket(s) / connector(s)</b>	Single
<b>Fixed cable</b>	<Yes>
<b>Communication technology</b>	Ethernet
<b>RFID readers</b>	Single

### Test Result Summary for the certified security functionalities

Functionalities	OCPP 1.6 Security Certification Test Results	Description
<b>Security Profile 1</b>	<b>Pass</b>	Unsecured Transport with Basic Authentication Profile 1 is optional.
<b>Security Profile 2</b>	<b>Pass</b>	TLS (1.2 or higher) with Basic Authentication Security profile 2 or security profile 3 or both must be implemented.
<b>Security Profile 3</b>	<b>Pass</b>	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: 2024.02.29
Name	Jonghak Won	
Company	PNE SYSTEMS inc.	
Department	Quality Team	
Position	General manager	
Location	Suwon, Korea	

Test laboratory		Date: 2024.02.29
Name	Philip YANG	
Company	Korea Smart Grid Association	
Department	Quality Certification Center	
Position	Chief Researcher	
Location	Seoul, Korea	