OCPP 1.6 CORE CERTIFIED

Certificate Holder: ChargeAngels

Certificate Number: OCA.0016.1152.CSMS

Product Type: Charging Station Management System

Product Designation: ChargeAngels

OCPP Software Version: 3.2.4

Certification Date: November 19, 2025

This certificate attests that the above mentioned product successfully completed certification testing in conformance with the reference specification OCPP 1.6 (Edition 2 FINAL, 2017-09-28 including Errata 2025-04). The optional OCPP protocol features that are covered by this certificate can be found in the Abstract of the Test Report that is part 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 this complete test report.

Applied	Performed by / On	Document Evidence
Conformance testing according to the test specification referenced by the test report	DEKRA Certification BV November 19, 2025	ChargeAngels_OCPP-1.6-PICS-CSMS-3.0.0

The abstract of test report 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 the Test Report

Test Report OCPP 1.6 Certification

Test laboratory:	DEKRA Certification BV
Location:	DEKRA Arnhem Lab
Test Report Reference:	229801800
Product Designation:	**ChargeAngels**
Vendor name:	ChargeAngels
Device Under Test:	Charging Station Management System
OCPP Software Version:	3.2.4
Config ID:	70EC7C5E

Test Result Summary for the Certified Functionalities

Certification Profile	Test Result	Description
Core	Pass	Basic Charging Station functionality for booting, authorization, configuration, transactions, remote control, including basic security.
Advanced Security	Not Tested	Support for TLS with client authentication.
Smart Charging	Pass	Support for Smart Charging, to control charging.

Optional Features

The OCPP specification contains many implementation options that can be selected by a vendor, often in the form of optional message fields or configuration variables, that can be used to support advanced functions. Whereas the certification profiles determine which OCPP functionality is implemented, the features describe how much of a certain functionality in a profile has been implemented. The tables below indicate per certification profiles, for each available optional feature within this profile, whether this has been implemented in this product and tested for conformance or not.

Core		
ID	Core Features	Supported / Present
C-11	Security Profile 1: Unsecured Transport with Basic Authentication	No

Additional Questions

ID	Additional Questions for Lab Testing	Answer
AQ-10	Can your CSMS be configured to first respond to a BootNotificationRequest with status Pending or Rejected?	No

Performance Measurement Result

The tables below shows the list of key performance indicators that are measured during the conformance test. The first table indicates the values that the vendor indicates that are valid maximum values for this product. The second table lists the actual performance measurements during the tests performed in a controlled environment.

Name	Max Value	Unit	Description
OCPP response time	120	seconds	The timeout used for exchanging OCPP response messages. Messages to the DUT can be handled within this timeout.
Response time Authorize	30	seconds	The response time for the Authorize message.

Name	Min Value	Max Value	Average Value	Unit
OCPP response time	0.06	0.55	0.14	seconds
Response time Authorize	0.08	0.37	0.28	seconds

Communication technology used during performance measurement	Ethernet/Cloud

Statement of Approval

Vendor

Name	Gerald SEILER	Date: 2025-11-19
Company	ChargeAngels	Signature:
Department	QA	
Position	CEO	
Location	Nice, France	

Test Laboratory

Name	Yigit Karabulut	Date: 2025-11-19
Company	DEKRA Certification BV	Signature:
Department	CE	
Position	Technical Professional	
Location	DEKRA Arnhem Lab	

OCTT Version	Release_2025-09_v4
OCTT Instance ID	fe2ebf39b9c1d376ce2a7662dfc853e3

Authenticity of this certificate can be verified at   www.openchargealliance.org