

# OCPP 1.6 Full Certificate



**Certificate holder:** Blink Charging  
**Certificate number:** OCA.0016.0612.CS  
**Product type:** Charging Station  
**Product designation:** 780  
OCPP Software version: 2022071478  
Hardware feature set as stated below  
**Certification date:** April 16, 2024

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                 |
|--|--|-----------------------------------|
| <i>Conformance testing according to the test specification referenced by the test report</i> | <i>DEKRA Certification, Inc.,<br/>April 16, 2024</i> | <i>04065_Test Report_Blink_CS</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, Chairman of the Open Charge Alliance.

## Abstract of test report

### Test Result Summary

| Test Report OCPP 1.6 Certification                    |                                     |   |
|---|-------------------------------------|---|
| <b>Test laboratory:</b>                               | DEKRA Certification, Inc            |   |
| <b>Location:</b>                                      | Sterling, VA                        |   |
| <b>Test Report Reference:</b>                         | 383383500EMO.001                    |   |
| <b>Vendor name:</b>                                   | Blink Network LLC                   |   |
| <b>Device Under Test:</b>                             | 780                                 |   |
| <b>Communication:</b>                                 | JSON                                |   |
| <b>OCPP Software version:</b>                         | 2022071478                          |   |
| Test Result Summary for the certified functionalities |                                     |   |
| Functionalities                                       | OCPP 1.6 Certification Test Results | Description   |
| <b>Core</b>   | <b>Pass</b>                         | Basic Charging Station functionality for booting, authorization (incl. cache if available), configuration, transactions, remote control.  |
| Optional features                                     |                                     |   |
| <b>Firmware Management</b>                            | <b>Pass</b>                         | Support for (remote) firmware update management and diagnostic log file download.   |
| <b>Smart Charging</b>                                 | <b>Pass</b>                         | Support for Smart Charging (all profile types, including stacking), to control charging.  |
| <b>Reservation</b>                                    | <b>Pass</b>                         | Support for reservation of a connector of a Charging Station.   |
| <b>Local Authorization List Management</b>            | <b>Pass</b>                         | Features to manage a local list in the charging station containing authorization data for whitelisting users.   |
| <b>Remote Trigger</b>                                 | <b>Pass</b>                         | 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:      | 120 sec    | 3 sec          | 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:                | 120 sec    | 6 sec          | The response time for when waiting for an OCPP response message.  |
| Response time RemoteStartTransaction: | 120 sec    | 1 sec          | The response time for the RemoteStartTransaction message.   |

## Test Configuration

|                              |                         |
|------------------------------|-------------------------|
| <b>Vendor</b>                | <b>Blink Charging</b>   |
| <b>DUT / SUT</b>             | <b>Charging Station</b> |
| <b>Communication</b>         | <b>JSON</b>             |
| <b>Type</b>                  | <b>780</b>              |
| <b>OCPP Software version</b> | <b>2022071478</b>       |
| <b>OCTT version</b>          | <b>OCTT 1.6 v1.4.4</b>  |

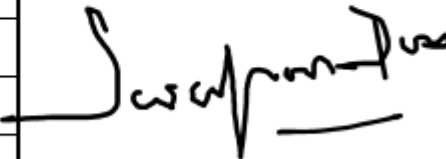
| Hardware feature set     |                           |
|--------------------------|---------------------------|
| Feature                  | Configuration             |
| Socket(s) / connector(s) | Multiple                  |
| Fixed cable              | Yes                       |
| Communication technology | Wi-Fi, Ethernet, Cellular |
| RFID readers             | Single                    |


| Non-OCPP Charge Point Configuration |       |
|-------------------------------------|-------|
| Configuration key                   | Value |
| <>                                  | <>    |

| 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.  | Yes   |

| OCPP Charging Station Configuration     |  |
|---|--|
| Configuration key                       | Value  |
| AllowOfflineTxForUnknownId              | -  |
| AuthorizationCacheEnabled               | -  |
| AuthorizeRemoteTxRequests               | YES  |
| BlinkRepeat                             | -  |
| ClockAlignedDataInterval                | 15   |
| ConnectionTimeOut                       | 120  |
| ConnectorPhaseRotation                  | -  |
| ConnectorPhaseRotationMaxLength         | -  |
| GetConfigurationMaxKeys                 | 2  |
| HeartbeatInterval                       | 15[Minimum] / 3600[Maximum]  |
| LightIntensity                          | -  |
| LocalAuthorizeOffline                   | YES  |
| LocalPreAuthorize                       | YES  |
| MaxEnergyOnInvalidId                    | -  |
| MessageTimeout                          | 120 secs   |
| MeterValuesAlignedData                  | Energy.Active.Import.Register,<br>Current.Offered,<br>Power.Active.Import                |
| MeterValuesAlignedDataMaxLength         | 1  |
| MeterValuesSampledData                  | Energy.Active.Import.Register  |
| MeterValuesSampledDataMaxLength         | 1  |
| MeterValueSampleInterval                | 15[Minimum] / 86400[Maximum]   |
| MinimumStatusDuration                   | -  |
| NumberOfConnectors                      | 2  |
| ResetRetries                            | 3  |
| StopTransactionMaxMeterValues           | 2  |
| StopTransactionOnEVSideDisconnect       | YES  |
| StopTransactionOnInvalidId              | YES  |
| StopTxnAlignedData                      | Energy.Active.Import.Register,<br>Current.Offered,<br>Power.Active.Import                |
| StopTxnAlignedDataMaxLength             | 1  |
| StopTxnSampledData                      | Energy.Active.Import.Register,<br>Current.Offered,<br>Power.Active.Import                |
| StopTxnSampledDataMaxLength             | 1  |
| SupportedFeatureProfiles                | Core, Firmware Management, Local<br>Auth List Management, Reservation,<br>Smart Charging |
| SupportedFeatureProfilesMaxLength       | 100  |
| TransactionMessageAttempts              | 5  |
| TransactionMessageRetryInterval         | 60   |
| UnlockConnectorOnEVSideDisconnect       | -  |
| WebSocketPingInterval                   | 600  |
| LocalAuthListEnabled                    | Yes  |
| LocalAuthListMaxLength                  | 100  |
| SendLocalListMaxLength                  | 5  |
| ReserveConnectorZeroSupported           | -  |
| ChargeProfileMaxStackLevel              | 2  |
| ChargingScheduleAllowedChargingRateUnit | Amps & watt  |
| ChargingScheduleMaxPeriods              | 6  |
| ConnectorSwitch3to1PhaseSupported       | -  |
| MaxChargingProfilesInstalled            | 3  |
| SupportedFileTransferProtocols          | HTTP, HTTPs  |

Statement of Approval

| Vendor     |                                 | Date: April/16/2024  |
|------------|---------------------------------|--|
| Name       | Swapn Das                       | Swapn Das  |
| Company    | Blink Network, LLC              |  |
| Department | Engineering                     |  |
| Position   | Director of Product Engineering |  |
| Location   | 4961 Tesla Dr. Bowie, MD 20715  |  |
|            |                                 |  |

| Test laboratory |                             | Date: April/16/2024  |
|-----------------|-----------------------------|--|
| Name            | Gonzalo Casado              | Gonzalo Casado   |
| Company         | DEKRA Certification, Inc    |  |
| Department      | Carriers & Connectivity Lab |  |
| Position        | Lab Manager                 |  |
| Location        | Sterling, VA                |  |
|                 |                             |  |