

Web Tools

Monitor and manage chargers in real-time

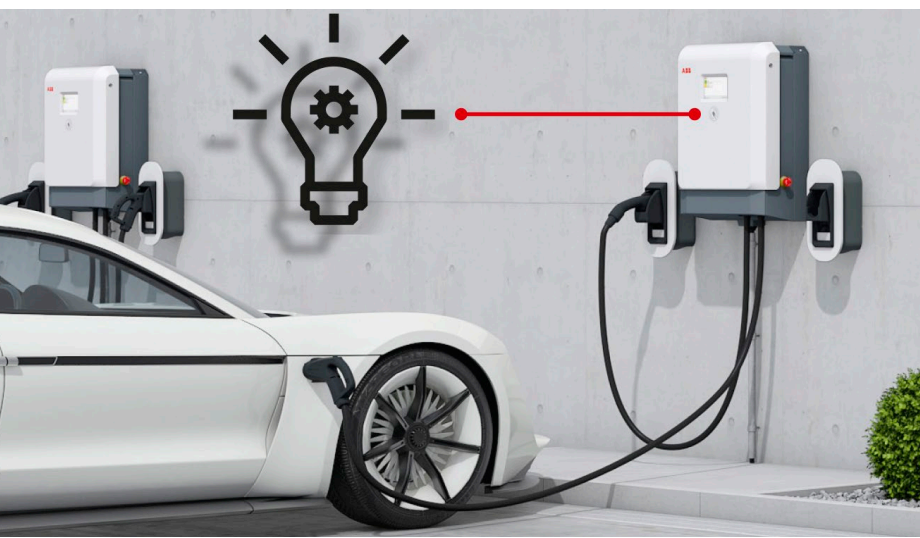


ABB browser-based Web tools for online charger management provide charging infrastructure operators with real-time status information, usage statistics, remote service capabilities and user authentication modes to monitor and operate their chargers – from individual sites to multi-hub networks.

ABB has thousands of connected chargers around the world equipped for remote services that include ABB's suite of easy-to-use Web Tools.

Web Tools Modules

Driver Care

Driver care is the optimal tool for monitoring and reporting on a charging network. Features include status, statistics, configuration settings, cases and notifications. Driver Care best supports operators without a back-office, or as a monitoring tool in addition to a back office system.

Charger Care

Charger Care is an advanced service tool for operators and service partners to do remote diagnostics, troubleshooting and repair with a broad set of data and component level management. Due to the advanced capabilities of Charger Care web tools, a training and certification is required.

Payment Management

Payment management enables operators to configure payment options on chargers equipped with a payment terminal. Pricing per outlet can be set, and behavior of the payment terminal can be configured. The operator is provided with full insight in all payment transactions per charger, per day.

Authorization Management

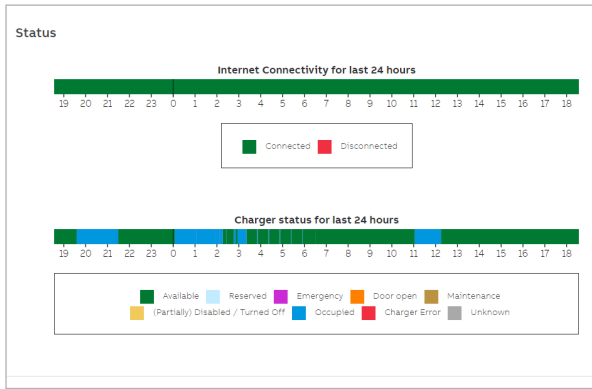
Authorization Management, an optional module in Driver Care, is a simple, flexible method for managing charger access by specifying a list of RFID cards or PIN codes. Access management tools are ideal for limited-use chargers in publicly accessible areas or to track usage in private locations.

Web Tools feature sets	Driver Care	Charger Care	Payment Module	Auth Management
MAIN MENU BAR: EV CHARGERS				
FEATURES: EV Chargers > Charger List				
List View of Chargers	●	●	●	-
Status list of chargers in your network	●	●	●	-
Add a comment to a charger	●	●		-
Follow your favorite chargers	●	●		-
Automated refresh of the chargers in the list	●	●		-
Customize the information shown in the charger list	●	●		-
Free search charger list	●	●	●	-
Filter charger list for predefined views	●	●	●	-
Filter charger list by user defined charger groups	-	-	-	-
Order charger list by column	●	●	●	-
Export charger list	●	●	●	
FEATURES: EV Chargers > Network Map				
See the locations and the status of all your chargers on a map	●	●	●	-
Filter to search for a specific charger	●	●	●	-
Quickly access the charger details from the map view	●	●	●	-
Show chargers belonging to one or multiple charger groups	-	-	-	-
FEATURES: EV Chargers > Charger Details > Overview Page				
Overview of charger specific information	●	●	●	-
Change the name of your charger	●	●	●	-
Mark a charger as favorite	●	●	-	-
Change the location of your charger	●	●	●	-
Adjust the opening hours of your charger	●	●	-	-
Add a comment to your charger	●	●	-	-
See the actual connection / availability status of your charger	●	●	●	-
See the actual status of each separate outlet/connector	●	●	●	-
See the actual status of the power modules in the charger	●	●	●	-
See the historical connection / availability status of the last 24 hours	●	●	●	-
FEATURES: EV Chargers > Charger Details > Charge Sessions				
A table overview of all charge sessions of the selected charger with some session specific information between two specific dates or the last X number of days	●	●	●	-
7 day history	-	-	●	-
1 year history	●	●	-	-
Uses the same filter as on "Charger Statistics" to easily switch between views	●	●	-	-
Export the charge sessions of the selected period with all session specific details	●	●	-	-
FEATURES: EV Chargers > Charger Details > Charge Sessions > Session Details				
See more detailed information of the selected charge session	●	●	●	-
See receipts for sessions authorized with a Credit Card	-	-	●	-
FEATURES: EV Chargers > Charger Details > Charger Statistics				
A visual overview of all charge sessions of the selected charger with some session specific information between two specific dates or the last X number of days	●	●	-	-
7 day history	-	-	-	-
1 year history	●	●	-	-
Uses the same filter as on "Charge Sessions" to easily switch between views	●	●	-	-
Apply filters to show charge sessions which contain certain criteria (ie amount of energy delivered, authorization method, stop reasons)	●	●	-	-
Zoom in on data in the graph	●	●	-	-
See an overview of stop reasons for the selected charge sessions	●	●	-	-
FEATURES: EV Chargers > Charger Details > Charger Settings > Charger				
Enable/Disable charger	●	●	-	-
Set the max. charging time per outlet	●	●	-	-
Set the opening hours of the charger based on the time zone of the charger location	●	●	-	-
Set the number of power modules to be configured	-	●	-	-
Configure the maximum AC input current of the charger	-	●	-	-
Configure the maximal current allowed for the AC outlets	-	●	-	-
Trigger an action to allow the HMI board of the charger to be replaced	-	●	-	-

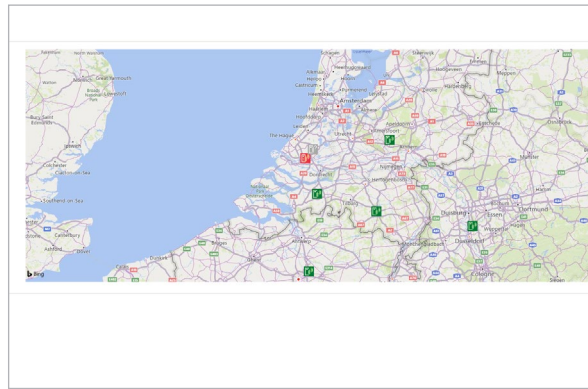
Web Tools feature sets	Driver Care	Charger Care	Payment Module	Auth Management
MAIN MENU BAR: EV CHARGERS (continued)				
FEATURES: EV Chargers > Charger Details > Charger Settings > HMI				
Set active languages	●	●	-	
Show the Phone Tab on the charger HMI	●	●	-	
FEATURES: EV Chargers > Charger Details > Charger Settings > Connection				
Configure the preferred telco (Vodafone roaming Partner)	-	●	-	-
Set fallback mode - Makes it possible to authorize and charge when there is no connectivity	●	●	-	-
Set fallback delay - Delay in seconds after connectivity issues are detected before fallback mode becomes active	●	●	-	-
FEATURES: EV Chargers > Charger Details > Charger Settings > Authorization				
Authorization Enabled - ie by RFID or PIN is enabled. If set to "No" then free vend is enabled	-	●	-	-
Authorize For Stop - Indicates if the charger requires an authorization to stop charging	●	●	-	-
Autocharge Enabled - enable/disable; basic plug & charge capability (non-ISO15118)	●	●	-	-
Authorization Mode	-	●	-	-
Remote Start Stop Enabled	-	●	-	-
Local White List Cache Enabled	-	●	-	-
RFID Enabled	-	●	-	-
PIN Enabled	-	●	-	-
PIN Prefix	-	●	-	-
FEATURES: EV Chargers > Charger Details > Charger Settings > Payment Terminal				
Payment terminal installed/enabled	-	●	-	-
Payment terminal hardware configuration	-	●	-	-
FEATURES: EV Chargers > Charger Details > Charger Settings > Pricing				
Payment Terminal Price setting ('Pay per Session' and 'Pay per Use')	-	-	●	-
FEATURES: EV Chargers > Charger Details > Charger Settings > OCPP				
Configuration for OCPP 1.6	-	●	-	-
FEATURES: EV Chargers > Charger Details > Charger Settings > Depot Charger Scheduler				
Configuration for sequential charging of the HVC 150	-	●	-	-
Configuration of pre-condition parameters	-	●	-	-
FEATURES: EV Chargers > Charger Details > Send Actions > Basic Actions				
Restart the charger application	●	●	-	-
FEATURES: EV Chargers > Charger Details > Send Actions > Advanced Actions				
Reset hardware components (AC/DC RCD, MCB, CPI, IMI)	-	●	-	-
Trigger detection of newly installed components on the charger	-	●	-	-
Initiate a charger self-test	-	●	-	-
Enable/Disable power modules in the charger	-	●	-	-
FEATURES: EV Chargers > Charger Details > Send Actions > Payment Terminal				
Trigger a payment terminal configuration change	-	●	-	-
Manually initiate a day reconciliation of done payments	-	●	-	-
Initiate a diagnose of the payment terminal status	-	●	-	-
Trigger a payment terminal software update	-	●	-	-
FEATURES: EV Chargers > Charger Details > Charger Map				
See the location and the status of the selected charger on a map	●	●	●	-
Change the location of your charger	●	●	●	-
Edit the Latitude/ Longitude coordinates manually or by right clicking on the map	●	●	●	-
FEATURE: EV Chargers > Charger Details > Service > Overview				
See the actual connection / availability status of the charger	-	●	-	-
See the historical connection / charger status between two specific dates or the last X number of days	-	●	-	-
See the 'detailed' status of each separate outlet/connector	-	●	-	-
See the 'detailed' status of the power modules in the charger	-	●	-	-
Trigger a Power Module Self-Test	-	●	-	-
See the 'detailed' status of the payment terminal (if installed/configured)	-	●	-	-
Get detailed information about the Authorization Device (RFID reader)	-	●	-	-
See an overview of the box check status for quick troubleshooting	-	●	-	-

Web Tools feature sets	Driver Care	Charger Care	Payment Module	Auth Management
MAIN MENU BAR: EV CHARGERS (continued)				
FEATURES: EV Chargers > Charger Details > Service > Charger values				
Retrieve parameters/properties/versions/box checks/Power Module Self-Test Results	-	●	-	-
Export All Charger Values for analysis in Excel	-	●	-	-
Review Charger Parameters	-	●	-	-
Review Board Properties	-	●	-	-
Review Board Versions	-	●	-	-
Review Box Checks	-	●	-	-
Review Power Module Self-Test Results	-	●	-	-
FEATURES: EV Chargers > Charger Details > Service > Charger History				
Review the connection status history of a charger (connected/disconnected)	-	●	-	-
Review the charger status history of a charger (available/occupied/error)	-	●	-	-
Export the connection/charger status for analysis in Excel	-	●	-	-
Review which parameters have been changed / triggers have been sent to a charger by whom, and if these succeeded/failed	-	●	-	-
FEATURES: EV Chargers > Charger Details > Service > OCPP 1.6 Status				
See the OCPP configuration and web socket connection status	-	●	-	-
FEATURES: EV Chargers > Charger Details > Notifications > Notifications				
Receive notification from the EVE platform in case certain status criteria are met	●	●	-	-
Set up notifications for the connection status (Connected Disconnected)	●	●	-	-
Set up notifications for the charger status (Emergency Button Pressed Enclosure Problem Internal Problem Charger in Maintenance Charger is Turned Off)	●	●	-	-
Select how fast a notification should be send (As fast as possible After 10 minutes Custom: after X minutes)	●	●	-	-
Indicate one email address where to receive the notification	●	●	-	-
A URL can also be indicated. In this case EVE will send the notification to another IT system (webhook method)	●	●	-	-
FEATURES: EV Chargers > Bulk Operations > Step 1: Select Chargers				
Easily search for chargers with specific characters in the table	●	●	●	-
Select multiple chargers manually	●	●	●	-
Select chargers belonging to a charger group	-	-	-	-
FEATURES: EV Chargers > Bulk Operations > Step 2: Bulk Edit				
See current parameter values before applying changes	●	●	●	-
Send new parameters or actions to all selected chargers at once	●	●	●	-
Get information about (un)successful attempts	●	●	●	-
MAIN MENU BAR: NETWORK STATISTICS				
FEATURES: Network Statistics > Charge Session History (List)				
A table overview of all charge sessions of all chargers in the network with some session specific information between two specific dates or the last X number of days	●	●	●	-
7 day history	-	-	●	-
1 year history	●	●	-	-
Uses the same filter as on "Charge Sessions Statistics" to easily switch between views	●	●	-	-
Export the charge sessions of the selected period with all session specific details (contains more information than is shown on the screen)	●	●	-	-
FEATURES: Network Statistics > Charge Session History (List) > Session Details				
See more detailed information of the selected charge session	●	●	●	-
FEATURES: Network Statistics > Charge Session Statistics (Visual)				
A visual overview of all charge sessions of all the chargers in the network with some session specific information between two specific dates or the last X number of days	●	●	-	-
7 day history	-	-	-	-
1 year history	●	●	-	-
Uses the same filter as on "Charge Sessions History" to easily switch between views	●	●	-	-
Apply filters to show charge sessions which contain certain criteria (ex: amount of energy delivered, authorization method, stop reasons)	●	●	-	-
Zoom in on data in the graph	●	●	-	-
See an overview of stop reasons for the selected charge sessions	●	●	-	-

Web Tools feature sets	Driver Care	Charger Care	Payment Module	Auth Management
MAIN MENU BAR: NETWORK STATISTICS (continued)				
FEATURES: Network Statistics > Payment Terminal Reconciliations				
A table overview of all payment reconciliations of all chargers in the network	-	-	●	-
7 day history	-	-	-	-
1 year history	-	-	●	-
Search for specific payment details	-	-	●	-
Export reconciliation details to CSV	-	-	●	-
FEATURES: Network Statistics > Payment Terminal Reconciliations > Reconciliation Details				
See reconciliation details	-	-	●	-
See reconciliation receipt	-	-	●	-
MAIN MENU BAR: AUTHORIZATION MANAGEMENT				
FEATURES: Authorization Management > Card Management > List				
Search/Filter existing RFID cards	-	-	-	●
See an overview of registered RFID cards and their status (Accepted Blocked), expiration dates, group ID, and comments	-	-	-	●
Manually register new RFID cards one by one	-	-	-	●
Import an Excel file which contains all RFID details	-	-	-	●
Export all registered RFIDs to modify these in bulk (in Excel) before importing them again	-	-	-	●
FEATURES: Authorization Management > Card Management > Create new RFID Access Card				
Import a CSV file with RFID cards	-	-	-	●
Export the registered RFIDs to a CSV file	-	-	-	●
Manually create new RFID cards	-	-	-	●
Configure an expiration date after which the RFID will become invalid	-	-	-	●
Set the RFID status to "Accepted" or "Blocked"	-	-	-	●
Provide additional information about the RFID card in a comment field	-	-	-	●
Link an RFID card to a Group ID: RFIDs that belong to the same Group ID can be used to stop a charge session if that charge session was initiated with an RFID that has the same group ID	-	-	-	●
FEATURES: Authorization Management > Pin Management > List				
Search/Filter existing PINs	-	-	-	●
See an overview of registered PINs and their status (Accepted Blocked), expiration dates, and comments	-	-	-	●
Manually register new PINs one by one	-	-	-	●
Import an Excel file which contains all PIN details	-	-	-	●
Export all registered PINs to modify these in bulk (in Excel) before importing them again	-	-	-	●
FEATURES: Authorization Management > Pin Management > Create new Pin code				
New PINs can be added and edited manually	-	-	-	●
Configure an expiration date after which the PIN will become invalid	-	-	-	●
Set the PIN status to "Accepted" or "Blocked"	-	-	-	●
Provide additional information about the PIN in a comment field	-	-	-	●
FEATURES: Authorization Management > Payment Terminal > Pay per Charge Session				
See configured "Pay per Charge Session" prices per connector type of all chargers in the network which have activated payment terminals	-	-	●	-
Search / Filter the charger list	-	-	●	-
Click on a selected charger to modify the configured pricing on charger level	-	-	●	-
FEATURES: Authorization Management > Payment Terminal > Pay per Use				
See configured "Pay per Use" prices per connector type of all chargers in the network which have activated payment terminals	-	-	●	-
Search / Filter the charger list	-	-	●	-
Click on a selected charger to modify the configured pricing on charger level	-	-	●	-



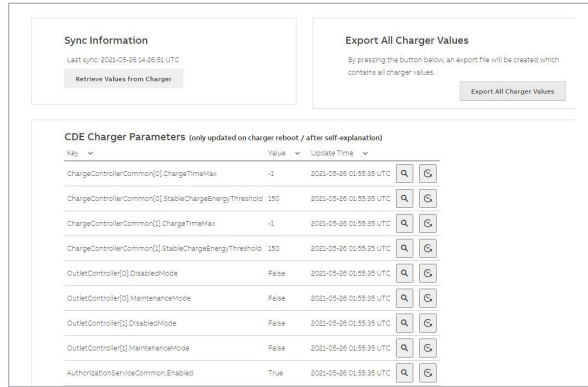
01



03



02



04

01 ABB web tools can show real-time charger status and history at the charger site level, as well as status at the component level.

02 Session and fleet data can deliver graphs and charts for greater visual understanding of charging behavior and energy usage.

03 The mapping functionality in Driver Care shows locations all charging assets in a given region with all status possibilities across the network.

03 Advanced and component level monitoring and management allow greater insight into granular system data and management of many parameters.

ABB Inc.
950 W Elliott Road, Suite 101
Tempe, AZ, 85284
United States
Phone: 800-435-7365
E-mail: US-evci@us.abb.com

abb.com/evcharging

ABB Inc.
800 Hymus Boulevard
Saint-Laurent, QC H4S 0B5
Canada
Phone: 800-435-7365
E-mail: CA-evci@abb.com

We reserve the right to make technical changes or modify the contents of this document without prior notice. We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB. Copyright© 2021 ABB. All rights reserved.