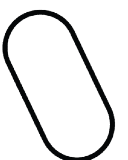


G6 CHARGING STATION FAMILY

WEB INTERFACE GUIDE

Document version: 1.0
Confidential – intended only for recipient



Revision history

Version	Date	Modified by	Comments
1.0	17-07-2018	Blaž Prislán	Correction of revised version

1 | INTRODUCTION

Document in front of you will present you all the configurable functions you are able to change and statuses you are able to see and analyze in the G6 charging station web interface. This web interface was released with the 2.3.3.0 firmware version that was put to the production on 16.07.2018.

2 | WEB INTERFACE

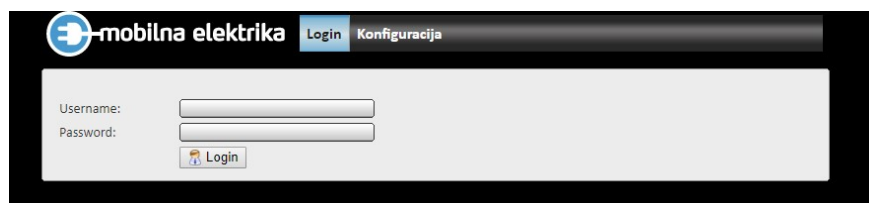
G6 charging station allows you to connect to its web interface where you are able to configure various settings. Especially important are communication and connectivity settings which need to be configured in order for the charging station to be connected to the backend system after physical installation.

3 | SIGN IN

You can access Etrek G6 web interface by connecting to the charging station IP. When username and password are inserted you will be connected to the web interface.

- Default username: MobilnaElektrika
- Default password: MobilnaElektrika11

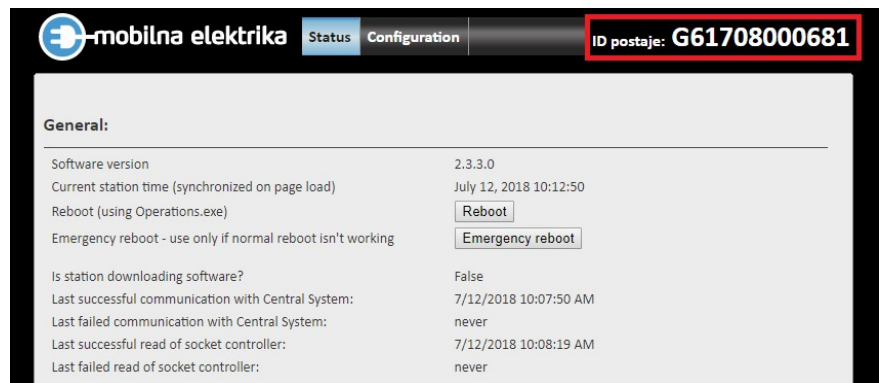
Important: You can connect to your Etrek G6 web interface by typing the charging station IP in the internet browser you are using. Default IP of the charging station is 192.168.1.240.



4 | STATUS MENU

In the Status menu you are able to check various statuses of charging station as well as reboot the station in case there are some problems with the operation of charging station.

It also contains the charging station ID, which is positioned in the top right corner (marked with red colour on the figure below). Often this ID is used for communication between the backend and the charging station.



The information about each socket can be seen here:

Socket 1

Is cable plugged in?	False
Is contactor on?	False
Is socket in working order?	True
Last successful meter read:	7/12/2018 10:08:20 AM
Last failed meter read:	never
Last CurrentPower value:	0.0042789 (read at: 7/12/2018 10:08:21 AM)
Last MeterValue value:	13.52896 (read at: 7/12/2018 10:08:20 AM)
ChargingStatus:	NotCharging
ChSpotAvailability:	Available
OperationStatus:	Available
ProtectionStatus:	Normal
ReservationStatusId:	1
Current user ID:	none

Socket 2

Is cable plugged in?	False
Is contactor on?	False
Is socket in working order?	True
Last successful meter read:	7/12/2018 10:08:21 AM
Last failed meter read:	never
Last CurrentPower value:	0 (read at: 7/12/2018 10:08:22 AM)
Last MeterValue value:	0.3015088 (read at: 7/12/2018 10:08:21 AM)
ChargingStatus:	NotCharging
ChSpotAvailability:	Available
OperationStatus:	Available
ProtectionStatus:	Normal
ReservationStatusId:	1
Current user ID:	none

You are able to download xml documents with current statuses and configurations by clicking on the document you want.

Current status and configuration:

CurrentState.xml	Contains station state that persists during reboot.
EventList.xml	Contains unsent events. If this file doesn't exist (HTTP 404), there are no unsent events.
ChargingStationSettings.xml	Station configuration file
UserBlackList.xml	Contains RFID cards that will not be allowed charging if station doesn't have connection with Central System

Status menu also gives you the possibility to download various logs:

- Service starter logs
- Operation logs, and
- Installation logs

Log files:	
NANDFlash\Etre\servicestarter\logs	
2018-06-12.servicestarter_1.txt	6/12/2018 12:47:20 PM
2018-06-13.servicestarter_1.txt	6/13/2018 6:25:34 PM
2018-06-14.servicestarter_1.txt	6/14/2018 12:18:40 PM
2018-06-27.servicestarter_1.txt	6/27/2018 11:26:30 PM
NANDFlash\Etre\operations\logs	
2018-06-12.operations_2.txt	6/12/2018 11:33:58 AM
2018-06-12.operations_3.txt	6/12/2018 11:48:54 AM
2018-06-12.operations_4.txt	6/12/2018 12:02:56 PM
2018-06-12.operations_5.txt	6/12/2018 1:46:44 PM
2018-06-12.operations_6.txt	6/12/2018 2:13:22 PM
2018-06-12.operations_7.txt	6/12/2018 3:24:24 PM
NANDFlash\Etre\NovalInstalacija\logs	
2018-06-28.installer_1.txt	6/28/2018 4:04:28 PM

5 | CONFIGURATION

In the configuration menu you are able to configure the settings that belong to one of the following five parts:

- General settings,
- Communication,
- Sockets,
- Time settings, and
- RFID password.

GENERAL SETTINGS

General settings: 📄

Station ID:

Central System Service URL:

Enable Plug-and-charge (charging without authentication)

Authentication timeout: s

Max current for station: A

Card number for free charging:

Power management type:

Authentication method version:

Default culture:

Custom welcome screen:

Setting	Description
Station ID	ID used to connect to backend system.

Central System Service URL	URL of the backend you want connect charging station to.
Enable Plug and charge	Option that enables Plug and charge on charging station. Users are able to start charging session without the need for authorization.
Authentication timeout	Length of time in which the charging station is trying to communicate authentication ID to backend system in case the communication is not working properly on the first attempt.
Max. current for station	Current limitation for both EVSEs together
Card number for free charging	ID number used for authorization for Plug and charge mode.
Power management type	Two types of power management available to choose from: Service provider plan and Limited with max. power.
Authentication method version	1 is used for Etrek old backend. Option 2 and 3 are used for other OCPP backends.
Default culture	Default language of the charging station screen
Custom welcome screen	Text is shown in standby screen. ASCII characters are supported. 20 characters per line and 4 lines.

COMMUNICATION

Communication:

Station IP address:

Subnet mask:

DNS:

Default gateway:

Setting	Description
Station IP address	Default station IP is set to 192.168.1.240. You can change the IP here.
Subnet mask	Subnet mask settings
DNS	DNS settings
Default gateway	Change default gateway settings

SOCKET

Socket 1:

Socket type:

Communication with meter:

Meter IP address:

Meter COM port:

Meter serial number:

Custom max current: A

Charging power three phase

Licence: Licence file OK (transferred: 8/29/2017 4:43:28 AM)

Socket 2:

Socket type:

Communication with meter:

Meter IP address:

Meter COM port:

Meter serial number:

Custom max current: A

Charging power three phase

Licence: Licence file OK (transferred: 8/29/2017 4:43:28 AM)

Setting	Description
Socket type	Select the socket type
Communication with meter	Communication protocol for the energy meter. Depends on the meter installed inside the station.
Meter IP address	IP address of the meter installed inside the charging station
Meter COM port	COM port of the meter installed inside the charging station
Meter serial number	Serial number of the meter installed inside the charging station
Custom max. current	Max. current limitation for individual EVSE
Charging power three-phase	Must be enabled if three-phase charging is enabled on the particular EVSE.
Licence	Status of the licence file with the upload date
Upload licence file	You can upload new licence file by pressing the button on the bottom right side as depicted on the figure above.

TIME SETTINGS

Time settings: 🔍

How long to wait for cable plug in after authentication: s

How long before reservation start should socket be unavailable: min

How long to wait for the person who reserved socket: min

General report interval (during charging): s

General report interval (when not charging): s

Event bundling interval: s

How long before reservation should station warn about upcoming reservation: s

Setting	Description
How long to wait for cable plug in after authentication	Set the length of time after successful authentication in which the user needs to plug in the cable and start the session before authentication expires.
How long before reservation start should socket be unavailable	Set for how many minutes before the start of the reservation the EVSE is unavailable for users without reservation.
How long to wait for the person who reserved socket	Set for how long after the start of the reservation on the EVSE the charger should wait for the user to initiate the charging session.
General report interval (during charging)	Heartbeat interval during the charging session.
General report interval (when not charging)	Heartbeat interval when there is no session running on the charging station.

<p>Event building interval</p>	<p>When event happens on the charging station (i.e. RFID swiped), how long do we wait for further events before message is sent to backend. This is done so that multiple events can be joined in a single message to reduce communication traffic.</p>
<p>How long before reservation should station warn about upcoming reservation</p>	<p>Charging station has text on the LCD screen where it warns users about upcoming reservation (at which time the current session on the reserved EVSE will be stopped).</p>

RFID PASSWORD

RFID password:

Sector:

RFID key type:

RFID key in format FF-FF-FF-FF-FF-FF:

Setting	Description
Sector	Custom option developed for specific EMSP. Leave the setting as it is.
RFID key type	Custom option developed for specific EMSP. Leave the setting as it is.
RFID key in format FF-FF-FF-FF-FF-FF	Custom option developed for specific EMSP. Leave the setting as it is.
Save RFID key	Custom option developed for specific EMSP. Leave the setting

	as it is.
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