

EV CHARGING STATION CATALOG

UGV Chargers is a Ukrainian manufacturer of EV charging stations. The company's specialists design and manufacture EV charging stations, developing software and a mobile application. UGV Chargers develops charging infrastructure for electric cars, as well as its own network of charging stations.

Main Advantages of Our E-Charging Machines:

- **Multi-billing support** (multiple servers can be connected simultaneously)
- **Free remote station monitoring**
- **Parallel charging via DC ports**
- **Dynamic power redistribution to DC ports** (when power is released on one port, free power is redistributed to another port when charging in parallel)
- **Ethernet / Wifi / 3G, LTE modem - standard** (no need for additional purchase)
- **Cost.** European components at the best prices



Fast charging stations

In addition to conventional EV charging stations, UGV Chargers produce fast charging stations with a capacity of 20 to 160 kW with various types of connectors: Type1, Type 2, CHAdeMO, CCS. They are able to charge 80% of an electric vehicle's battery in just 40-60 minutes, depending on the car's battery.

Fast charging stations are installed in parking lots of shopping and office centers, hotels and restaurants, fitness centers and beauty salons, as well as at gas stations and along streets and highways.

Advantages of fast EV charging stations UGV Chargers:

- European components
- Possibility of quick increasing the power of the station
- Support of OCPP platform for remote commercial use
- Ability to operate the station in Standalone mode
- RFID card support
- Individual protection of each power module and feedback on it
- Equipped with a video camera (additional option)
- Equipping with a payment terminal (additional option)



Specifications of Fast DC charging stations

GENERAL SPECIFICATIONS

1	AC source	3P+N+PE (3P+PEN)
2	AC voltage	400 V AC ± 10 %
3	Current frequency	50 / 60 Hz
4	Input circuit breaker *	Depending on the power of the station *
5	Surge protection *	SPD Type 1 + 2 20/50 kA with trip monitoring *
6	Output voltage range	DC: 150 - 1000 V
7	Output protection	High-speed fuse aR / 50kA
8	Insulation control *	Insulation monitoring relays with alarm * and trip outputs
9	Own power consumption: <ul style="list-style-type: none">• in standby mode• with ventilation on• with anti-condensation heating	100 W 300 W 600 W
10	Cable length	4.5 m
11	Check the condition of the lock	CHAdEMO
12	Indication of station operating modes	LED backlight (indicates the battery charge level)
13	OCPP protocol support	1.6
14	Access and authorization	RFID card (Mifare standard) Mobile application / Website
15	Communication	Ethernet, WiFi, 3G / 4G
16	Body of station	Powder coated metal
17	Assembling	Floor
18	Body protection class	IP55 / IK10
19	Operating temperature range	-25 ° C to + 50 °C
20	Power factor	>0,98
21	Anti-condensation heating	500 W
22	Warranty	24 months

* Signals from these devices are entered into the general diagnostic system

Protection systems and accessories installed in fast charging stations

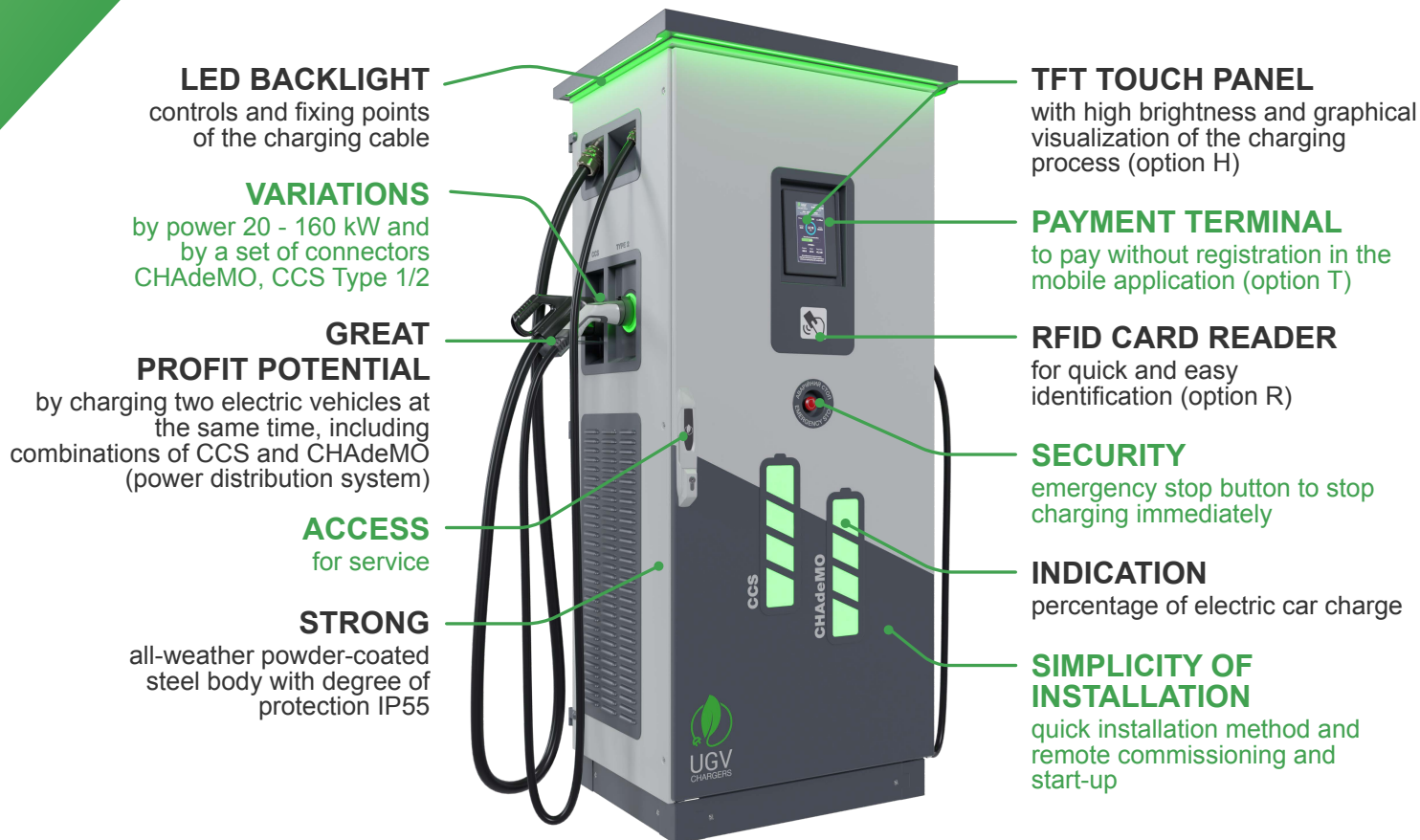
- individual protection of each power module and feedback on it
- overvoltage limiter at the input and indication of its status
- insulation monitoring relay, designed as a separate element
- anti-condensation heating, automatically triggers depending on the level of humidity and temperature

MAIN COMPONENTS

1	CHAdEMO controller	SIEMENS AG
2	CCS Combo 2 controller	SIEMENS AG
3	CHAdEMO connector	Sumitomo Electric Device Innovations, Inc / Fujikura
4	CCS Combo 2 connector	Phoenix Contact
5	Microclimate system	Alfa Electric / Blauberg
6	Insulation monitoring relay	SIEMENS
7	Safety relay	SIEMENS / Phoenix Contact
8	Overvoltage protection at the SPD input	ETI
9	Relays and terminals	Phoenix Contact




Overview of the Charging Station Complete Set for Fast Charging with AC



Model range of charging stations

U	G	V	-	A	96	C	F	-	J	14	T	22	H	60	C	60	-	S	-	R	M	H	
Brand accent																							
Input voltage waveform A: AC/alternating current D: DC/direct current																							
Input power of station in kW																							
Current waveform port type A: AC / alternating current D: DC / direct current C: AC DC / combined																							
Station type W: Wall / wall-mounted G: Ground / to the floor I: wireless / contactless F: City Format FM: City Format Mini M: Mobile / mobile																							
												Simultaneity of DC ports S: Single / Only involved one DC port D: Dual / Two DC ports can operate simultaneously											
												Port output power 4: 3.5 kW for O, J, T, S 7: 7 kW for O, J, T 14: 14 kW for O, J, T 20: 20 kW for H, C 22: 22 kW for O, T 30: 30 kW for H, C 44: 44 kW for O, T 60: 60 kW for H, C 80: 80 kW for H, C 90: 90 kW for H, C 100: 100 kW for H, C 120: 120 kW for H, C										Options A: Audio C: Camera H: HMI / touch panel M: Modem 3G / 4G R: RFID / NFC T: payment terminal U: UPS	
												Port type O: Outlet / Outlet Type 2 J: J1772 / Type 1 cable T: Type 2 cable H: CHAdeMO C: CCS / Combo2 / Combo1 G: GB/t S: Schuko socket											

UGV
CHARGERS

Fast DC Stations Fast Charger

40 kW
DC

Fast Charger charging stations, in a classic case, equipped with one DC fast charging port, and can be additionally equipped with one AC port of your choice.

They are installed on the ground.

Lowest price, high reliability, required functionality.



Single-port charging stations DC (40) CHAdemo or CCS Combo 2

Model	UGV-A40DG-H40-RM	UGV-A40DG-C40-S-RM
DC charging port connector type *	CHAdemo	CCS Combo 2
Charging mode	Mode 4	
Station power / DC output power	40 kW / 40 kW	40 kW / 40 kW
Maximum output power	CHAdemo – 40 kW without power sharing	CCS Combo 2 – 40 kW without power sharing
Maximum DC output current	CHAdemo – 100 A	CCS Combo 2 – 100 A
Cable length (m)	4	
Dimensions (HxWxD)	1500x631x470 mm	
Weight, kg	180	
Installed options	NFC / RFID, 3G / 4G modem	

* Additional equipment with one AC port to choose: Type 1 - 7 kW, or Type 2 - 22 kW

Fast DC Stations Fast Charger

40, 60 kW



Fast Charger charging stations, in a classic case, equipped with two DC fast charging ports and one or two AC slow charging ports, can charge the largest number of electric vehicle models.

They are installed on the ground. They can have different configurations in terms of the power of the ports for charging.

Two DC ports can work simultaneously with power distribution.

Optimal price, high reliability, required functionality.



Three-port charging stations DC (40/60) CHAdeMO + CCS Combo + AC Type 2

Model	UGV-A62DG-H40C40T22-D-RMH	UGV-A82DG-H50C60T22-D-RMH
Charging mode	Mode 4, Mode 3	
DC charging ports	CHAdeMO ra CCS 2	
Station capacity / DC output power	62 kW / 40 kW	82 kW / 60 kW
Maximum output power	CHAdeMO - 40 kW per port, 20 kW with two ports running CCS 2 - 40 kW per port, 20 kW with two ports running	CHAdeMO ports - 50 kW per port, 30 kW with two ports running CCS 2 - 60 kW per port, 30 kW with two ports running
Maximum DC output current	CHAdeMO - 100 A, CCS 2 - 100 A	CHAdeMO - 125 A, CCS 2 - 150 A
AC charging port *	Type 2 - 22 kW	
Dimensions (HxWxD)	600x2150x600	
Weight, kg	220	290
Installed options	NFC / RFID, 3G / 4G modem, touch panel	

* Additional equipment with one or two ports to choose: Type 1 - 7 kW, Type 2 - 22 kW, Type 2 - 22 kW (socket), Type 1 + Type 1, Type 2 + Type 2, Type 1 + Type 2 and other combinations

The most powerful **Fast Chargers**, in a classic case equipped with two DC fast charging ports and one or two AC slow charging ports, can charge the largest number of electric vehicle models.

They are installed on the ground. They can have different configurations in terms of the power of the ports for charging. Two DC ports can work simultaneously with power distribution.

Optimal price, high reliability, required functionality.



Three-port DC charging stations (80/120/160) CHAdeMO + CCS Combo + AS Type 2

Model	UGV-A102DG-H50C80T22-D-RMH	UGV-A142DG-H50C120T22-D-RMH	UGV-A182DG-H50C160-D-RMH
Charging mode	Mode 4, Mode 3		
DC charging ports	CHAdeMO та CCS 2		
Station capacity / DC output power	102 kW / 80 kW	142 kW / 120 kW	182 kW / 160 kW
Maximum output power	CHAdeMO - 50 kW per port 40 kW with two ports running CCS 2 - 80 kW per port, 40 kW with two ports running	CHAdeMO ports - 50 kW per port 40 kW with two ports CCS 2 - 120 kW * per port, 80 kW with two ports running	CHAdeMO ports - 50 kW per port, 40 kW with two ports running CCS 2 - 160 kW * per port, 120 kW with two ports running
Maximum DC output current	CHAdeMO - 125 A CCS 2 - 200 A	CHAdeMO - 125 A CCS 2 - 250 A	CHAdeMO - 125 A CCS 2 - 250 A
AC charging port *	Type 2 - 22 kW		
Dimensions (HxWxD)	800x1900x600		
Weight, kg	290	350	390
Installed options	NFC / RFID, 3G / 4G modem, touch panel		

* CCS capacity of more than 100 kW are attained only under condition that the EV battery voltage is in range from 600V to 800V.

** Additional equipment with one or two AC ports to choose: Type 1 - 7 kW, Type 2 - 22 kW, Type 2 - 22 kW (socket), Type 1 + Type 1, Type 2 + Type 2, Type 1 + Type 2 and other combinations

Fast DC Stations Fast Charger

60, 120, 160 kW

DC
AC

The most powerful **Fast Chargers**, in a classic case, are equipped with three DC fast charging ports. In addition to the most common CHAdeMO and CCS, the GB/t port enables fast charging of Chinese-made electric vehicles.

Installed on the ground. They can have a different configuration in terms of the power of the ports for charging. Two or three DC ports can work simultaneously with power distribution.

Optimal price, high reliability, required functionality.

CHAdeMO
CCS
GB/t

Three-port DC charging stations (60/120/160) CHAdeMO + CCS Combo + GB/t

Model	UGV-A82DG-H50C80G80-D-RMH	UGV-A142DG-H50C120G120-D-RMH	UGV-A182DG-H50C160G160-D-RMH
Charging mode	Mode 4, Mode 3		
DC charging ports	CHAdeMO, CCS 2 and GB/t		
Station capacity	60 kW	120 kW	160 kW
Maximum output power	CHAdeMO - 50 kW per port CCS 2 - 60 kW per port GB/t - 60 kW per port When two or three ports operate at the same time, the power is evenly divided between them.	CHAdeMO - 50 kW per port CCS 2 - 120 kW* per port GB/t - 120 kW* per port When two or three ports operate at the same time, the power is evenly divided between them (but does not exceed the maximum port capacity)	CHAdeMO - 50 kW per port CCS 2 - 160 kW* per port GB/t - 160 kW* per port When two or three ports operate at the same time, the power is evenly divided between them (but does not exceed the maximum port capacity)
Maximum DC output current	CHAdeMO - 125 A CCS 2 - 200 A GB/t - 200 A	CHAdeMO - 125 A CCS 2 - 250 A GB/t - 250 A	CHAdeMO - 125 A CCS 2 - 250 A GB/t - 250 A
Dimensions (HxWxD)	800x1900x600		
Weight, kg	290	350	390
Installed options	NFC / RFID, 3G / 4G modem, touch panel		

* Capacities over 100kW for CCS and GB/t are only available with EV battery voltage from 600V to 800V

Fast DC Stations Fast Charger

120, 160, 240 kW

DC
AC

The most powerful Fast Charger charging stations, in a classic case, are equipped with three or four DC fast charging ports. In addition to the most common CHAdeMO and CCS, the GB/T port enables fast charging of Chinese-made electric vehicles.

They are installed by the ground method. They can have different configurations in terms of the power of the charging ports. Three or four DC ports can work simultaneously with power sharing.

CHAdeMO
CCS
GB/T

Three-port DC charging stations (120/160kW) and four-port DC charging stations (240kW)

Model	UGV-A120DG-H50C120G120-D-RMH	UGV-A160DG-H50C160G160-D-RMH	UGV-A240DG-H50C240G240-D-RMH
Charging mode	Mode 4		Mode 4
DC charging ports	CHAdeMO, CCS 2 та GB/T		CHAdeMO, 2 x CCS2 та GB/T
Station capacity	120 kW	160 kW	240 kW
Maximum output power	CHAdeMO - 50 kW per port CCS 2 - 120 kW* per port GB/t - 120 kW* per port When two or three ports operate at the same time, the power is evenly divided between them (but does not exceed the maximum port capacity)	CHAdeMO - 50 kW per port CCS 2 - 160 kW* per port GB/t - 160 kW* per port When two or three ports operate at the same time, the power is evenly divided between them (but does not exceed the maximum port capacity)	CHAdeMO - 50 kW per port 2 x CCS2 - 240 kW per port GB/T - 240 kW per port. With the simultaneous operation of three or four ports, power equally divided between them (but not exceeding the maximum power of the port)
Maximum DC output current	CHAdeMO - 125 A CCS 2 - 250 A (max. 350A) GB/T - 250 A (max. 300A)		CHAdeMO - 125 A 2 x CCS2 - 375 A (max. 500A) GB/T - 250 A (max. 300A)
Dimensions (HxWxD)	800x1900x600		800x2000x800
Weight, kg	350	390	600
Installed options	NFC / RFID, 3G / 4G modem, touch panel		

Fast Charger 240 kW fast charging station



The most powerful charging station in the line of UGV Chargers is the Fast Charger 240 kW station. It is equipped with four DC fast charging ports: CHAdeMO, CCS Combo and GB/T. The new four-port stationary electric charging station of 240 kW is designed for charging cars with capacity up to:

- 240 kW (cable CCS),
- 50 kW (cable CHAdeMO),
- 240 kW (cable GB/T),
- 240 kW (cable CCS).

UGV Chargers support simultaneous charging of all ports, distributing power between ports. The dynamic distribution system allows to redistribute/balance power between cars in a matter of seconds. Only the new 240 kW station is capable of long-term CCS2 charging with a current of 375A, and the maximum current can reach 500A.

Fast charging stations CITY FORMAT

Developing the urban infrastructure of EV charging stations, **UGV Chargers** have launched the **CITY FORMAT** fast charging station. Stylish design, vandal-proof body, city-light advertising surface and movable LED-line on top - all this makes fast charging stations ideal for city highways, streets and stops. Fast EV charging stations can even be installed on a lamppost and connected to the power supply from the trolleybus line network.



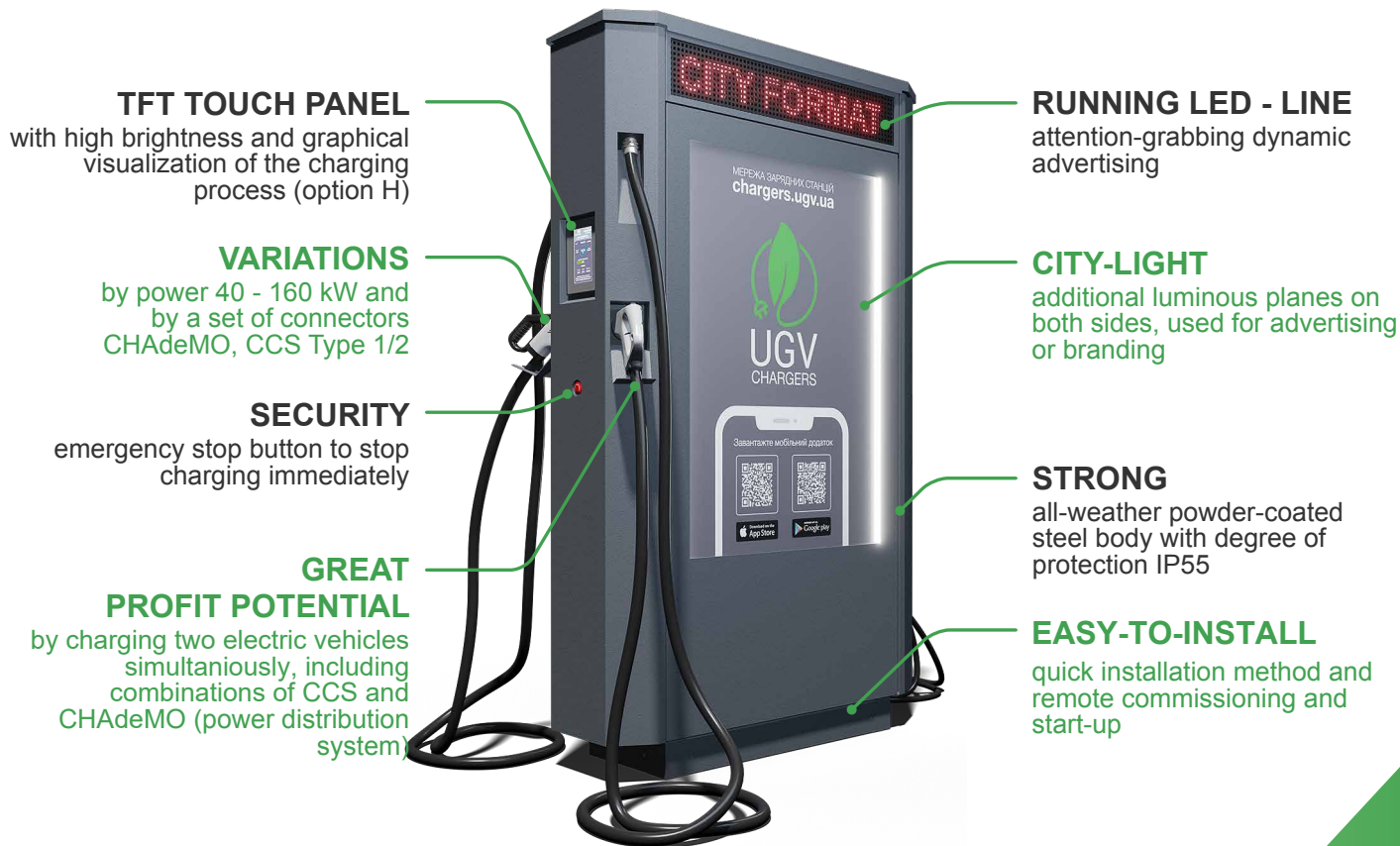
On the front of the EV charging station **CITY FORMAT** by **UGV Chargers**, on both sides, there are additional illuminated spaces that you can use to place your company's advertising or branding (city-light).

Advertising spaces of charging stations are equipped with a running LED - line, which will effectively distinguish you from competitors. Earn additional passive ad income and enhance your brand uniqueness among EV owners.

Commercial use of **CITY FORMAT** is possible through connection to the software service via the OCPP protocol to any network.

UGV Chargers is the operator of EV charging stations network to which you can connect your station.

Overview of the CITY FORMAT Charging Station Complete set



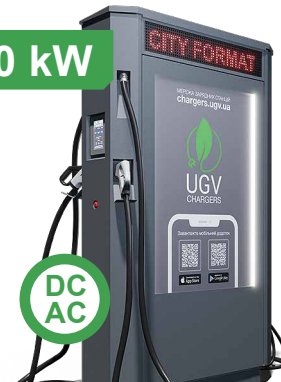
Fast DC stations CITY FORMAT MAX

80, 120, 160 kW

CITY FORMAT MAX is equipped with illuminated glass side surfaces for branding or advertising (city-light type). The LED line will effectively make you stand out from the competitors.

Additional passive income from Ad placement on side surfaces.

Two DC ports can work simultaneously with power distribution.



Charging stations DC (80/120/160) CHAdeMO + CCS Combo + AC Type 1

Model	UGV-A87CF-H50C80J7-D-RMH	UGV-A127CF-H50C120J7-D-RMH	UGV-A167CF-H50C160J7-D-RMH
Charging mode	Mode 4, Mode 3		
DC charging ports	CHAdeMO та CCS 2		
Station capacity / DC output power	87 kW / 80 kW	127 kW / 120 kW	167 kW / 160 kW
Maximum output power	CHAdeMO - 50 kW per port 40 kW with two ports running CCS 2 80 kW per port, 40 kW with two ports running	CHAdeMO ports - 50 kW per port 40 kW with two ports CCS 2 120 kW * per port, 80 kW with two ports running	CHAdeMO ports - 50 kW per port 40 kW with two ports CCS 2 - 160 kW * per port, 120 kW with two ports running
Maximum DC output current	CHAdeMO - 125 A CCS 2 - 200 A	CHAdeMO - 125 A CCS 2 - 250 A	CHAdeMO - 125 A CCS 2 - 250 A
AC charging port *	Type 1 - 7 kW		
Dimensions (HxWxD)	2140x1320x410		
Weight, kg	300	320	350
Installed options	NFC / RFID, 3G / 4G modem, touch panel		

* CCS capacity of more than 100 kW are attained only under condition that the EV battery voltage is in range from 600V to 800V.

** Additional equipment with one or two AC ports to choose: Type 1 - 7 kW, Type 2 - 22 kW, Type 2 - 22 kW (socket), Type 1 + Type 1, Type 2 + Type 2, Type 1 + Type 2 and other combinations

Fast DC stations CITY FORMAT MINI

40, 60, 80 kW

The suspended structure of the **CITY FORMAT MINI** station allows it to be installed without reducing the urban pedestrian space and close to the transport infrastructure.

CITY FORMAT has illuminated glass side spaces - for branding or advertising (city-light type). The LED line will effectively make you stand out from the competitors. Earn additional passive income from Ad placement.



Charging stations DC (80/120/160) CHAdeMO + CCS Combo + AC Type 1

Model	UGV-A47CFM-H40C40J7-S-RMH	UGV-A67CFM-H50C60J7-D-RMH	UGV-A87CFM-H50C80J7-D-RMH
Charging mode	Mode 4, Mode 3		
DC charging ports	CHAdeMO та CCS 2		
Station capacity / DC output power	47 kW /40 kW	67 kW /60 kW	87 kW /80 kW
Maximum output power	CHAdeMO - 40 kW per port, 20 kW with two ports CCS 2 - 40 kW per port, 20 kW with two	CHAdeMO ports - 50 kW per port, 30 kW with two ports CCS 2 - 60 kW per port, 30 kW with two	CHAdeMO ports - 50 kW per port 40 kW with two ports CCS 2 - 80 kW per port, 40 kW with two ports running
Maximum DC output current	CHAdeMO - 100 A CCS 2 - 100 A	CHAdeMO - 125 A CCS 2 - 150 A	CHAdeMO - 125 A CCS 2 - 200 A
AC charging port *	Type 1 - 7 kW		
Dimensions (HxWxD)	1500x1000x400		
Weight, kg	250	270	290
Installed options	NFC / RFID, 3G / 4G modem, touch panel		

* Additional equipment with one or two AC ports to choose: Type 1 - 7 kW, Type 2 - 22 kW, Type 2 - 22 kW (socket), Type 1 + Type 1, Type 2 + Type 2, Type 1 + Type 2 and other combinations

Mobile charging stations

UGV Chargers has developed a solution for fast charging of electric vehicles away from stationary charging stations. The minibus-based mobile charging station is equipped with CHAdeMO, CCS Combo 2 and GB/t fast charging ports.

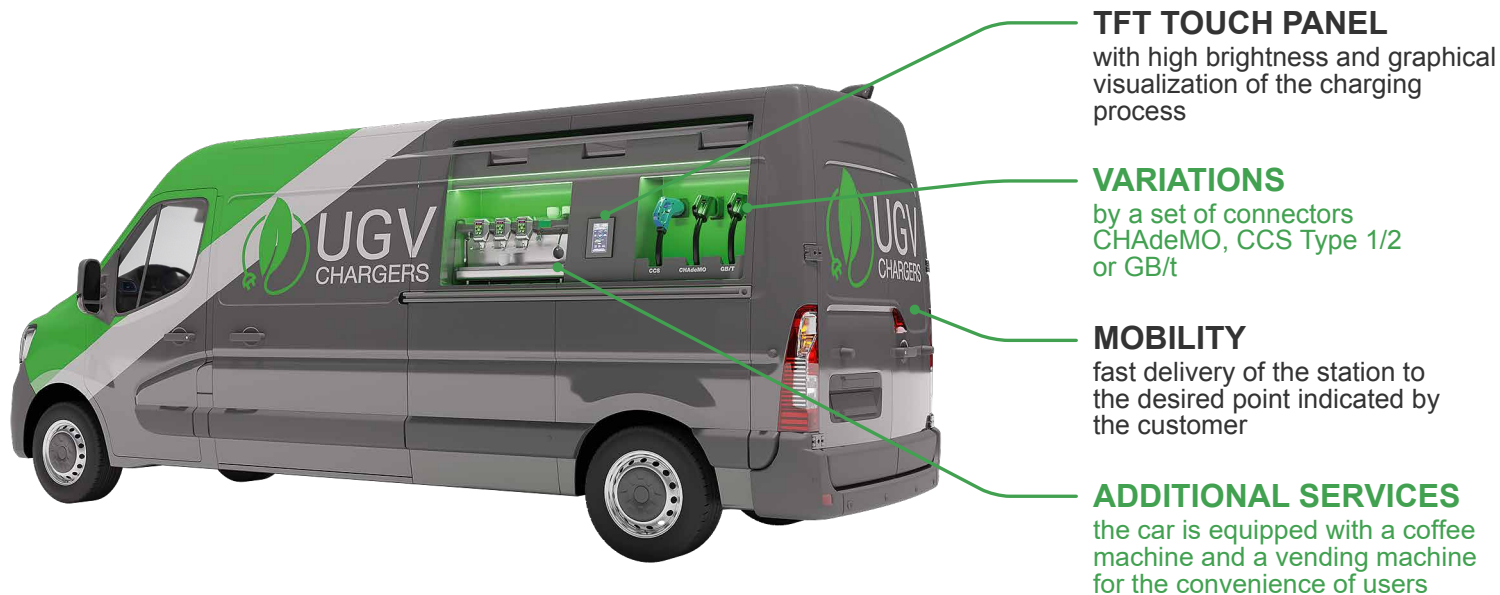


The solution combines a 40 kW internal combustion engine - generator and a 40 kWh battery. The total charging output power is 80kW, it can be output to one port or split between ports.

It is important to use mobile fast charging stations that can charge 80% of an electric vehicle's battery in just 40-60 minutes, depending on the car battery, under the conditions of a long distance between cities and a poorly developed infrastructure of charging stations.

DC mobile charging station (80) CHAdeMO + CCS Combo 2 + GB/t	
DC charging ports	CHAdeMO, CCS 2, GB/t
Station power	80 kW
Generator power (diesel/gas)	40 kW
Battery storage capacity	40 kWh
Maximum output power	CHAdeMO - 50 kW per port, 40 kW with two ports running CCS 2 - 80 kW per port, 40 kW with two ports running GB/t - 80 kW per port, 40 kW with two ports running
Maximum DC output current	CHAdeMO - 125 A CCS 2 - 250 A GB/t - 250 A
Installed options	NFC / RFID, 3G / 4G modem, touch panel
Additional service options	Coffee machine, vending machine

Overview of the Mobile Charging Station Complete Set



AC charging stations (slow)

AC charging stations (slow) are very popular among UGV Chargers' clients. Although they charge electric cars more slowly, they attract with their price.



We manufacture one and two port AC charging stations. Two-port floor stations are installed on the territories of large shopping and business centers, in sports clubs and restaurants and other establishments.

As for single-port wall solutions, they are most often installed in small office buildings, adjoining territories of condominiums, buildings, in private households.

AC charging stations operate autonomously. They have a waterproof, vandal-proof body and are equipped with a socket-outlet or a built-in cable.

Commercial use of UGV Chargers charging stations occurs through the connection to the software service via the OCPP protocol to any network. UGV Chargers is the operator of EV charging stations network to which you can connect your station.

AC Charging Station Package Overview

LED BACKLIGHT
charging ports and charging
status indication

VARIATIONS
by power 7 - 44 kW and
by a set of connectors
Type 1, Type 2, socket

VANDAL-PROOF
all-weather powder-coated
steel body with degree of
protection IP55



RFID CARD READER
for quick and easy
identification

**EQUIPMENT
RELIABILITY**
high build quality at all
stages

EASY-TO-INSTALL
quick installation method
and remote commissioning
and start-up

2-port floor-mount AC charging stations, **Model G**



Stationary commercial floor-mounted charging stations UGV Chargers are designed to be installed on the territory of your business.

The stations are offered for installation at gas stations, parking lots of Business and Shopping centers, restaurants, hotels and other business facilities. Charging stations, depending on the needs of the customer, can be completed with ports for cables, sockets, or be combined (cable + socket).

The installation requires the supply of a dedicated power line to the place of its installation, depending on its capacity.



Charging an electric vehicle from a charging station of this configuration will take up to 4 hours, depending on the battery capacity of the electric vehicle and the charge level.

Execution options

Dimensions (HxWxD) 1265x430x195 mm

UGV-A14AG-O7O7-R- 2 sockets Type 2

7 + 7 kW

UGV-A14AG-J7T7-R - Type 1 (J1772) / Type 2 cables.

UGV-A14AG-O7J7-R - Type 1 cable (J1772) + Type 2 socket

UGV-A14AG-O7T7-R - cable Type 2 + socket Type 2

UGV-A14AG-J7J7-R - 2 cables Type 1 (J1772)

UGV-A14AG-T7T7-R - 2 cables Type 2

Power - 7 + 7 kW, single phase

Current - 32 A per port

Built-in RFID module

OCPP 1.6 support

LED indication of operating modes

Cable length - 3 m.

UGV-A29AG-J7T22-R - cable Type 1 + cable Type 2

22 + 7 kW

UGV-A29AG-O22J7-R - socket Type 2 + cable Type 1 (J1772)

UGV-A29AG-O7T22-R - socket Type 2 + cable Type 2

Power - 22 + 7 kW, single phase

Current - 32 A per port

Built-in RFID module

OCPP 1.6 support

LED indication of operating modes

Cable length - 3 m.

UGV-A44AG-O22O22-R – 2 sockets Type 2

22 + 22 kW

UGV-A44AG-T22T22-R – 2 cables Type 2

UGV-A44AG-O22T22-R - socket Type 2 + cable Type 2

Power - 22 + 22 kW, single phase

Current - 32 A per port

Built-in RFID module

OCPP 1.6 support

LED indication of operating modes

Cable length - 3 m.



Single port wall mount AC charging stations commercial, **Model W**



Stationary wall-mounted commercial electric charging stations UGV Chargers are designed to be installed on the territory of your business.

The stations are offered for installation at gas stations, parking lots of Business and Shopping centers, restaurants, hotels and other business facilities. Stationary wall-mounted EV charging stations can also be installed on the territory of a private house, in its own parking space or in a garage.

In this case, non-commercial use of the charging station is possible. The installation requires a dedicated power supply line to the place of installation, depending on its capacity.



Charging an electric vehicle from a charging station of this configuration will take up to 4 hours, depending on the battery capacity of the electric vehicle and the charge level.

Execution options

Dimensions (HxWxD) 550x330x170 mm

UGV-A7AW-O7-R – socket Type 2
UGV-A7AW-J7-R – cable Type 1 (J1772)

7 kW

Power - 7 kW, single phase
Current strength - 32 A
Built-in RFID module
OCPP 1.6 support
LED indication of operating modes
Cable length - 3 m.

UGV-A22AW-T22-R – cable Type 2
UGV-A22AW-O22-R – socket Type 2

22 kW

Power - 22 kW, single phase
Current strength - 32 A
Built-in RFID module
OCPP 1.6 support
LED indication of operating modes
Cable length - 3 m.



2-port wall mount AC charging stations commercial, **Model W**



Charging stations, depending on the needs of the customer, can be completed with: ports for cables, sockets, or be combined (cable + socket).

Execution options

Dimensions (HxWxD) 650x330x170 mm

UGV-A14AW-O7O7-R – 2 sockets Type 2

UGV-A14AW-J7T7-R – 2 cables Type1(J1772)/Type 2

UGV-A14AW-O7T7-R – cable Type 2 + socket Type 2

UGV-A14AW-J7J7-R – 2 cables Type 1

UGV-A14AW-T7T7-R – 2 cables Type 2

7 + 7 kW

Power - 7+7 kW, single phase

Current strength - 32 A

Built-in RFID module

OCPP 1.6 support

LED indication of operating modes

Cable length - 3 m.

UGV-A29AW-O7O22-R – 2 sockets Type 2

22 + 7 kW

UGV-A29AW-J7T22-R – 2 cables Type 1(J1772) + Type 2

UGV-A29AW-O22J7-R – socket Type 2 + cable Type 1(J1772)

UGV-A29AW-O7T22-R – socket Type 2 + cable Type 2

Power - 22 + 7 kW, single phase
Current strength - 32 A
Built-in RFID module
OCPP 1.6 support
LED indication of operating modes
Cable length - 3 m.

UGV-A44AW-O22O22-R – 2 sockets Type 2

22 + 22 kW

UGV-A44AW-T22T22-R – 2 cables Type 2

UGV-A29AW-O22T22-R – socket Type 2 + cable Type 2

Power - 22 + 22 kW, single phase
Current strength - 32 A
Built-in RFID module
OCPP 1.6 support
LED indication of operating modes
Cable length - 3 m.



Single-port wall-mounted commercial AC charging stations with placement on electric charging poles

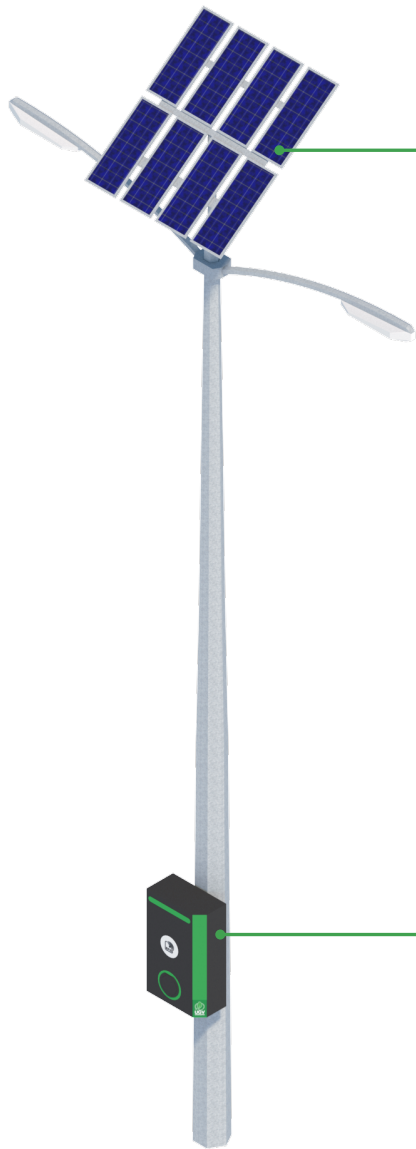


Stationary wall-mounted commercial EV charging stations UGV Chargers in combination with an electric generating system on solar panels, are installed on electric lighting poles, or special electric charging poles.

EV Charging stations in this combination are equipped with a Type 2 connector (7 kW) for charging electric vehicles or a Type F socket (220 V, Shuko) for charging electric bicycles, scooters, etc.

Stations are offered for installation on electric lighting poles along roads in places where parking is allowed.

Stations can be powered by solar energy with power supply from the mains depending on the intensity of solar radiation.



SOLAR PANELS

for charging electric cars with solar energy

LED BACKLIGHT

charging ports and charging status indication

RFID CARD READER

for quick and easy identification

VARIATIONS

on a set of connectors
Type 2, socket (Shuko)

ANTI-VANDAL

all-weather body made of powder-coated steel with IP55 protection degree

EASY TO INSTALL

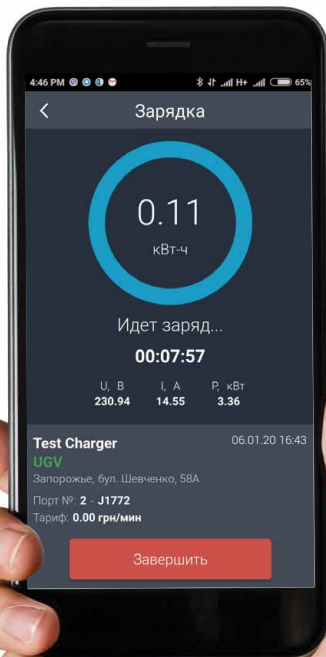
fast installation method and remote commissioning and launching











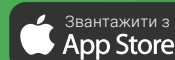
UGV Chargers Mobile Application / ugv.ua website

on-line service for charging electric cars and paying for sessions, as well as a platform for technical monitoring and dispatching.

In the **UGV Chargers** App / on the website, the following are available:



-  searching of stations on the map
-  routing the selected station
-  exercising a charging session
-  possibility to reserve a station
-  mobile wallet for paying the sessions
-  statistics of all charging sessions
-  receiving charging messages
-  ability to charge an electric car without registration in the "guest" mode



Download the **UGV Chargers** Mobile App and manage your Personal Account.

You can also register and use your Personal Account on the website



Convenient user menu - interface is embedded in charging station

The client sees all the parameters of the charging process, including the current charge level of electric vehicle battery.



The touchscreen system provides durability and reduces the risk of mechanical wear and tear for physical buttons.

Convenient menu with multilingual support: Ukrainian, Russian, English.

High-quality and detailed image.



The ability to embed advertising content while the station is in standby mode.

Connector overview



Type 1

Standard 5-pin AC slow charging connector. Charging is performed from a single-phase AC network of 230 V voltage, 32 A (maximum power 7.4 kW) current. Typical for most American and Asian cars.



Type 2

7 pin connector for slow charging with alternating current (AC). Charging is carried out from a single-phase or three-phase alternating current network with voltage up to 400 V, current up to 63 A (maximum power up to 74 kW). Typical mainly for European cars and a number of Chinese cars after adaptation.



CHAdeMO

2-pin connector for fast charging with direct current (DC). It is used on powerful stations operating in Mode 4 mode, for direct current charging up to 125 A with voltage up to 500 V, (maximum power up to 62.5 kW). Used to charge most Japanese, American and some European vehicles.






**CCS
Combo 1/2**







Combo connector for fast charging with direct current (DC) and slow charging with alternating current (AC). At powerful stations, it can charge with direct current up to 250 A with 200-1000 V (maximum power up to 160 kW). CCS Combo 1 connector is a combined J1772 connector, common in the USA and Japan. CCS Combo 2 combined with Type 2, typical for European cars and common in European stations with CHAdeMO.

Certificate – Сертификат – 證明書 – Certificat – 증명서 – شهادة – شهادۃ

Certificate of Compliance



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