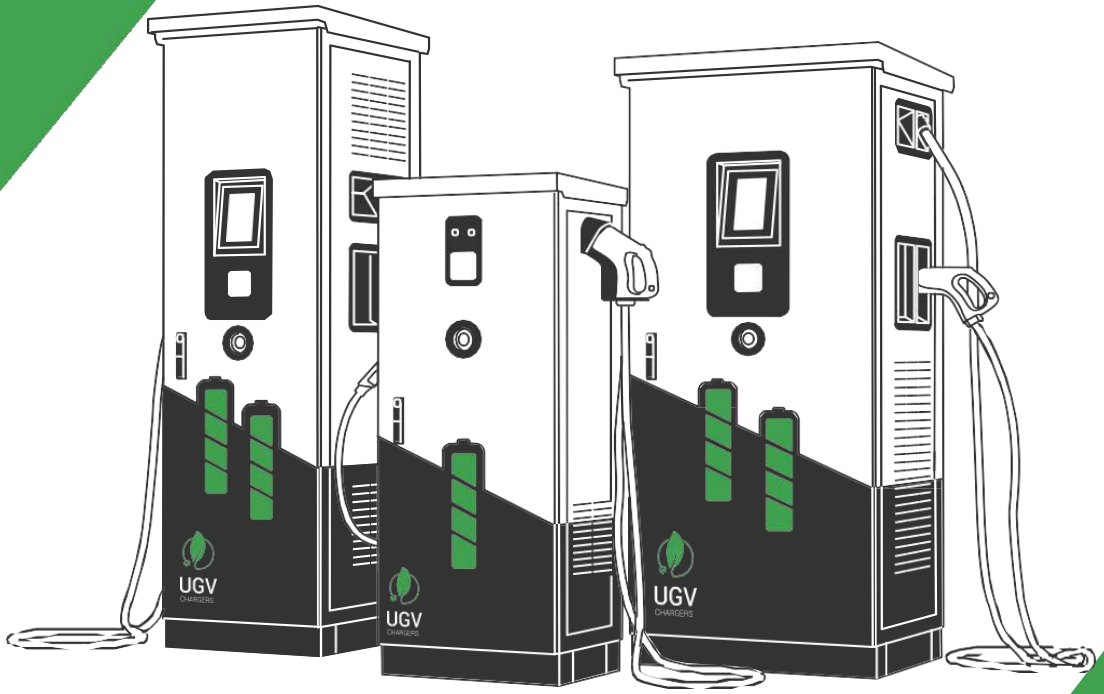
ENERGY
TECHNOLOGIES

UGV
CHARGERS



EV CHARGING STATION

Energy Technologies is a young company registered in Poland with 12 years of experience in building solar power plants and charger networks for electric cars in Ukraine. It offers a comprehensive package of services (sales, installation, operation) of AC and DC charging stations.

UGV Chargers is a manufacturer of electric vehicle charging stations, the factory is located in the city of Zaporozhye, Ukraine. The company's specialists design and manufacture electric vehicle charging stations, as well as software and a mobile application. UGV Chargers is developing the charging infrastructure for electric cars, as well as its own network of charging stations.

Due to Russia's military aggression against Ukraine, the city of Zaporozhye is being bombarded daily and the company's operations and development are impossible. We want to enter the European market as soon as possible, we offer EU-certified high quality product.

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: • 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 ºC
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

LED BACKLIGHT
controls and fixing points of the charging cable

VARIATIONS
by power 20 - 160 kW and by a set of connectors CHAdeMO, CCS Type 1/2

GREAT PROFIT POTENTIAL
by charging two electric vehicles at the same time, including combinations of CCS and CHAdeMO (power distribution system)

ACCESS
for service

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

TFT TOUCH PANEL
with high brightness and graphical visualization of the charging process (option H)

PAYMENT TERMINAL
to pay without registration in the mobile application (option T)

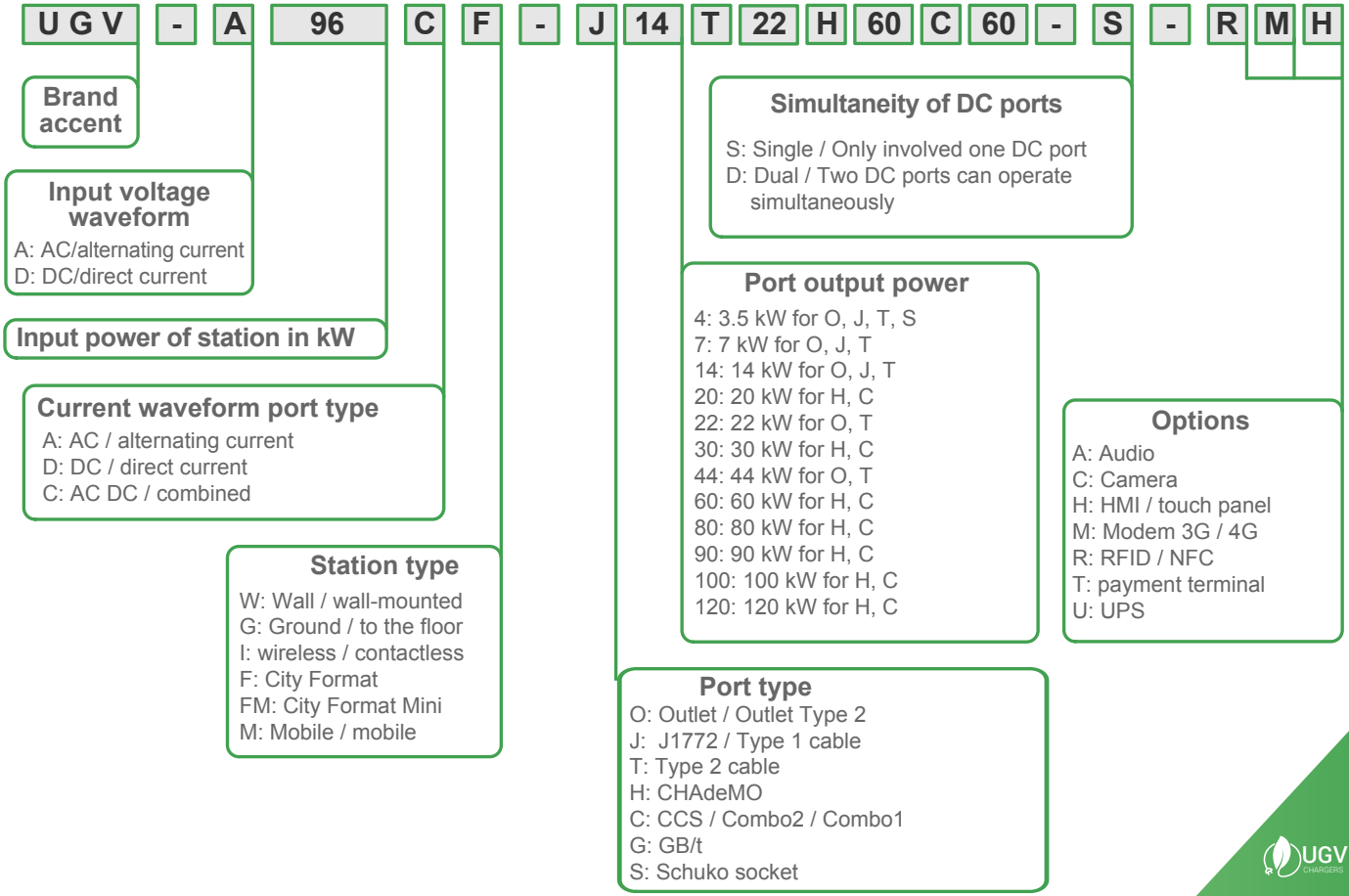
RFID CARD READER
for quick and easy identification (option R)

SECURITY
emergency stop button to stop charging immediately

INDICATION
percentage of electric car charge

SIMPLICITY OF INSTALLATION
quick installation method and remote commissioning and start-up

Model range of charging stations



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

DC
AC

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 та 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

Fast DC Stations Fast Charger

80, 120, 160 kW

DC AC

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

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.

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 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

TFT TOUCH PANEL
with high brightness and graphical visualization of the charging process (option H)

VARIATIONS
by power 40 - 160 kW and by a set of connectors CHAdeMO, CCS Type 1/2

SECURITY
emergency stop button to stop charging immediately

GREAT PROFIT POTENTIAL
by charging two electric vehicles simultaniously, including combinations of CCS and CHAdeMO (power distribution system)

RUNNING LED - LINE
attention-grabbing dynamic advertising

CITY-LIGHT
additional luminous planes on both sides, used for advertising or branding

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

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

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

TFT TOUCH PANEL
with high brightness and graphical visualization of the charging process

VARIATIONS
by a set of connectors CHAdeMO, CCS Type 1/2 or GB/t

MOBILITY
fast delivery of the station to the desired point indicated by the customer

ADDITIONAL SERVICES
the car is equipped with a coffee machine and a vending machine for the convenience of users

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

7 + 7 kW

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

22 + 7 kW

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

22 + 22 kW

UGV-A44AG-O22O22-R – 2 sockets Type 2
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

7 + 7 kW

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

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.

22 + 7 kW

UGV-A29AW-O7O22-R – 2 sockets Type 2
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.

22 + 22 kW

UGV-A44AW-O22O22-R – 2 sockets Type 2
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

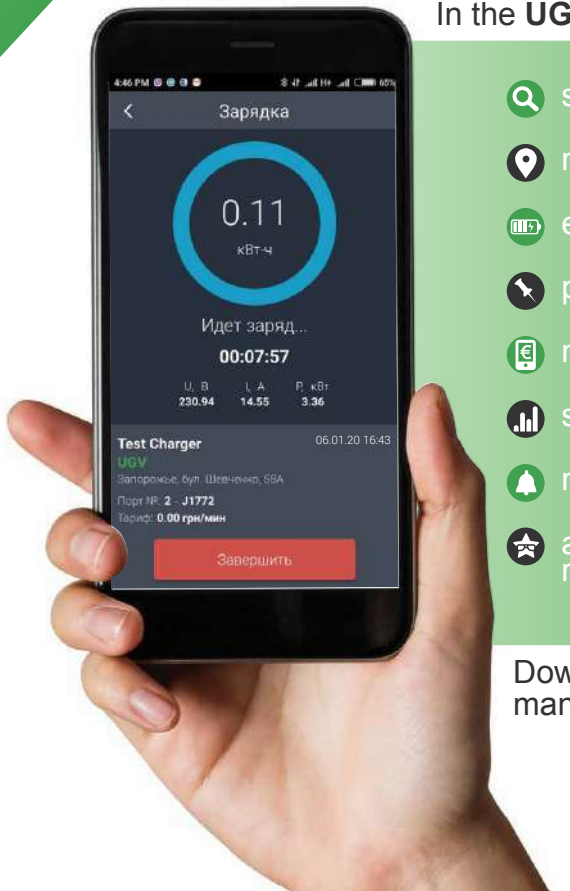
VARIATIONS
on a set of connectors Type 2, socket (Shuko)

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

Звантажити з App Store

Завантажити з Google play

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.

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.

UGV Chargers charging stations are certified according to European and Ukrainian standards

ДЕКЛАРАЦІЯ ПРО ВІДПОВІДНІСТЬ

1. Модель апаратури/виробу
Зарядні станції, позиційності згідно додатком 1-5(4 найменування, 79 позицій) , код ДКПП 27.90

2. Найменування та адреса виробника або його уповноваженого представника
ТОВ " ІНФОКОМ ЛТД " 69068, м. Запоріжжя, пр-т Моторобудівників, буд. 26-А, кв. 14 , ЄДРПОУ 20501767

3. Ця декларація видана під відповідальність виробника.

4. Об'єкт декларації:
Зарядні станції, позиційності згідно додатком 1-5(4 найменування, 79 позицій) , код ДКПП 27.90
Виробник: ТОВ " ІНФОКОМ ЛТД ", 69068, м. Запоріжжя, пр-т Моторобудівників, буд. 26-А, кв. 14, код ЄДРПОУ 20501767, адреса виробництва: 69001, м. Запоріжжя, б-р Тараса Шевченка, буд. 56

5. Об'єкт декларації відповідає вимогам відповідних технічних регламентів:
Технічного регламенту низьковольтного електричного обладнання (Постанова КМУ від 16.12.2015 р. № 1067), Технічного регламенту електромагнітної сумісності обладнання (Постанова КМУ від 16.12.2015 р. № 1077) (зі змінами А)

6. Посилання на відповідні стандарти, включені до переліку національних стандартів, або були застосовані (із зазначенням дат видання стандартів), або посилання на інші технічні специфікації (із зазначенням дат видання специфікації), стосовно яких декларується відповідність:
ДСТУ EN 61851-1:2014; ДСТУ EN 61851-22:2015; ДСТУ EN 61851-24:2015; ДСТУ EN 61439-1:2016

7. Додаткова інформація:
Технічна документація виробника

Підписано від імені та за дорученням:
ТОВ " ІНФОКОМ ЛТД " 69068, м. Запоріжжя, пр-т Моторобудівників, буд. 26-А, кв. 14 , ЄДРПОУ 20501767

директор — 25.07.2022 р. — Едуард ТРОЩЕНКО

UA.TR.VT.E.077503-22 — 25.07.2022 р. — 24.07.2023 р.

Керівник Органу з оцінки відповідності — Михайло РЕЗНІН

Declaration of Compliance

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

Form QAT_10-1-03, version 00, effective since March 25th, 2020

Certificate of Compliance

No. OD210329.IUD24

Certificate's Holder: «INFOCOM LTD»
Legal address: Motorostroiteley Av. 26-a, flat 14, Zaporozhye, 69068, Ukraine
Manufacturing address: bul. T. Shevchenko, 56, Zaporozhye, 69018, Ukraine

Certification ECM Mark: type Approved

Product: Charging Stations for Electric Transport
Brand: «INFOCOM»
Model(s): UGV Chargers AC Ground, UGV Chargers AC Wall, UGV Chargers CITYFORMAT MAX, UGV Chargers CITYFORMAT mini, UGV Fastcharger

Verification to: Standard:
EN IEC 61851-1:2019, EN 61851-22:2002, EN 61851-23:2014/AC:2016-06, EN 61000-6-1:2007, EN 61000-6-3:2007/A1:2011/AC:2012, EN 60529:1991/A2:2013/AC:2019-02

related to CE Directive(s):
2014/35/EU (Low Voltage)
2014/30/EU (Electromagnetic Compatibility)

Remark: This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that the technical documentation received from the manufacturer is satisfactory for the requirements of the ECM Certification Mark. The conformity mark above can be affixed on the products accordingly to the ECM regulation about its release and its use.

Additional information and clarification about the marking:
The manufacturer is responsible for the CE Marking process, and if necessary, must refer to a Notified Body. This document has been issued on the basis of the regulation on ECM Voluntary mark for the certification of products. EQM_ECM rev.3 available at: www.emleccma.it

CE

Issuance date: 29 March 2021
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Reviewer — Technical expert — Amanda Payne
Approver — ECM Service Director — Luca Baldrini

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European Certificate of Compliance

ТОВ «ВСЦ «ПИВДЕНТЕСТ» ЦЕС «ТСС «PIVDENTEST»

СЕРТИФІКАТ ВІДПОВІДНОСТІ

CERTIFICATE OF CONFORMITY

Certificate of Compliance

Ukrainian Certificate of Compliance

UGV
CHARGERS

ENERGY
TECHNOLOGIES

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