

- **DESCRIPTION**
- **TECHNICAL CHARACTERISTICS**

Electrical safety:	IEC61851-1, 2, 3; IEC61439-2
EMC:	EN61000-6; EN61000-3
Output power:	7/22 kW
Charging current:	up to 32 A
Operating temperature, °C:	from -30 to +40
Maximum humidity, %:	95
Degree of protection:	IP55 (IP44)
Resistance to mechanical impact:	IK09
Efficiency:	>95%



- **TECHNICAL CHARACTERISTICS**

ElCharge-AC charging stations are AC charging stations. According to the European classification of charging stations, have a charging mode Mode 3. The battery charging time of the electric car is up to 3...4 hours.

Advantages of ElCharge-AC series charging stations – do not require connection to high power networks.

ElCharge-AC series charging stations are divided into two classes – “ChargeOnly” and “Smart”.

- “ChargeOnly” (basic configuration) has only the functionality of charging electric vehicles and is used for private or corporate use.
- “Smart” provides equipment with a communication module that collects and transmits to the server telemetry of the station according to the OCPP protocol, allows you to perform scheduling and organize billing. Smart class aircraft are designed for commercial use in the provision of charging services in the networks of charging stations.

According to the configuration of the charging ports of the station “ElCharge-AC” have the following options:

- 1 AC port 7 kW, 220V;
- 1 AC port 22 kW, 380V;
- 2 AC ports 22 kW, 380V;
- 3 ports AC 7 kW, 220V;
- 1 AC port 22 kW, 380V + 1 AC port 7 kW, 220V.

ElCharge-AC charging stations have differential protection for each charging port separately.

All stations have a electricity meter.

Communication module (used in Smart class AP)

Data transmission: Ethernet / GPRS / UMTS / LTE

Data exchange protocol: OSRR 1.6

Access / Payment system: RFID authentication, authentication via smartphone

User interface: mobile application

Additional service: local storage of logs about charging sessions and information about self-diagnostics. Remote control. Wi-Fi access point (in perspective). Color display (in perspective)

## TECHNICAL CHARACTERISTICS



### Specification

Item	CHAdeMO	CCS	GB/T
Rated voltage	500VDC	200-850VDC	400-750VDC
Rated current	125A	200A	63A-250A

Electrical safety:	IEC61851-1, 2, 3; IEC61439-2
EMC:	EN61000-61, 2, 3, 4; EN61000-3-2
DC output (DC) maximum power (374-500 V at the output)	75 kW
Output voltage range:	170-500 V
Operating temperature, °C:	from -30 to +40
Maximum humidity, %:	95
Degree of protection:	IP55 (IP44)
Resistance to mechanical impact:	IK09
Efficiency:	>95%

**Ukraine** manufactures charging stations for fast charging of electric vehicles with direct current in the “Mode 4” mode, which classifies Ukraine’s charging stations to the FastCharger class.

The high power of charging stations (60 and 75 kW) allows you to charge electric vehicles in a very short time. Charging stations provide the ability to gradually reduce the charging current at the end of the charging process. This feature allows you to charge the electric car in fast charge mode up to 100% without damaging the battery. The average time to fully charge the battery of an electric car is 30 minutes to 80% and 40 minutes to 100%.

Optionally, Ukraine's charging stations are equipped with a charge controller with alternating current in "Mode 3" mode, up to 22 kW and a Type2 socket. Charging time will be 2.5-3 hours.

**The charging station has a housing that meets the degree of protection – IP55 and provides a high level of protection against dust and moisture. This allows you to install charging stations in the open and does not require additional protection against adverse weather conditions.**

- Charging stations allow you to charge electric cars and electric buses.
- Ability to charge up to 100% with a gradual decrease in charging current.
- Provides charge voltage up to 500 V DC up to 125 A.
- Connectors of 3 standards.

Today, Ukraine's charging stations support charging standards in the following combinations:

Option 1 CHAdeMO + Tour 2

Option 2 GB / T + Tour 2

Option 3 CHAdeMO + GB / T + Tour 2

Option 4 CHAdeMO + CCS + Tour 2

Thus, fast charging stations with a capacity of 75 kW or 60 kW manufactured by Ukrainian Supplier cover all options for charging electric vehicles presented in Ukraine and are an effective means of investing money, especially if they are installed in parking lots, shopping malls, traditional networks gas stations along highways.

The advantage of installing stations produced by Ukrainian Partner is:

- competitive price;
- fast charging;
- attracting new solvent customers, tenants, visitors from among the owners of electric vehicles.

**We guarantee the maintenance of its charging stations, both during the warranty period and after the warranty period.**

The warranty period is 12 months.