



PSS
CHARGING STATIONS

CHARGING POINTS FOR ELECTRIC VEHICLES

Reliable solutions for home and business

+ 7 (342) 257-90-59
export@pss.ru | www.pss.global



GAS STATION



SHOPPING CENTERS AND HOTELS



ROAD HOTELS AND CAFES



COTTAGE VILLAGES



YARD RESIDENTIAL COMPLEXES



TOURISTIC PLACES

MULTI-STANDARD CHARGING STATION



FOR FAST CHARGING AT FILLING STATIONS AND PARKING

SLOW CHARGING STATION



GOOD OPTION FOR HOTELS, HOSTELS AND ROAD HOTELS

MOUNTED FAST CHARGING STATION



GREAT OPTION FOR SHOPPING CENTERS AND CAFES

PERSONAL SLOW CHARGING STATION



AVAILABLE OPTION FOR A PRIVATE HOUSE OR DISTRICT HOUSE

PORTABLE FAST CHARGING STATION



FOR SERVICES AND MOBILE ASSISTANCE TEAMS

MULTIMEDIA CHARGING STATION *



FOR MARKETING COMMUNICATION WITH A CONSUMER

* the station is under construction



Increasing traffic of paying customers



Increasing business profitability through the sale of electricity



Additional advertising media (in case of installing a multimedia charging station)



Formation of the image of an innovative business



Unique competitive advantage



High customer loyalty of electric vehicle owners



The PSS multistandard station is designed to charge electric vehicles batteries in accordance with the GOST R IEC 61851-1-2013 standard. The station can carry out 2 charging sessions at the same time, in fast Mode-4 (full charging time is from 14 minutes) and slow Mode-3 (charging session lasts from 2 to 5 hours) modes. Combo-2, ChadeMO, Type1 / 2 connectors provide compatibility with most existing electric vehicles. Control is carried out using a touch screen or anti-vandal buttons, user authorization - using an RFID card. It is possible to implement contactless payment by credit card, smartphone with NFC support, ApplePAY, SamsungPAY or using a mobile application (IOS, Android).

PARAMETERS	VALUE
Supply voltage	380V
Connector type	CCS Combo 2, CHAdeMO, Type 1/Type 2
Output parameters in operating mode Mode 4 (DC-constant current)	
Maximum output power	60 kW
Maximum DC Output Voltage	500V
Maximum output current	120 A
Output parameters in Mode 3 operating mode (AC-alternating current)	
Number of phases	1/3
Maximum output power	7.4/22 kW
Rated voltage	220/380V
Rated current	32 A

Advantages

- Remote control and management of the charging station.
- Built-in autonomous power supply for safe interruption of the charging session in the event of an unstable power supply.
- Availability of the OCPP software module for communication with the server.
- Charging station software update for non-retirement electrical vehicles compatibility.
- A device for calculating the supplied electricity with a real time clock.
- Possibility of installing additional power modules to increase the rated output power from 60 kW to 300 kW DC.

Technical features

- Vandal-proof housing, screen, buttons.
- Various station configuration options, functional refinement according to customer requirements
- Branding for corporate identity
- Support for work as part of a network of charging stations with user identification capabilities.
- Assistance in connection approval, provision of standard connection projects.



The slow charging station PSS charges batteries in accordance with the IEC 61851 standard (GOST R IEC 61851-1-2013), with the Type-2 connector in Mode 3 (AC - alternating current).

The equipment is produced in two versions: wall-mounted and floor-standing. The charging time for electric vehicle batteries depends on the capacity of the vehicle's battery and ranges from 2 to 5 hours. The charging station can be operated outdoors, under a canopy and indoors. The charging process is controlled by the electric vehicle, the station works as a subordinate device.

PARAMETERS	VALUE	
	7,4 kW	22 kW
Input parameters		
Supply voltage, V	220 ± 10%, variable single phase	380 ± 10%, variable three-phase (3P + N)
Power supply frequency, Hz	50 ± 1%	
Output parameters		
Maximum output power, kW	7,4	22
Maximum output voltage, V	220	380
Maximum output current, A	32	

Advantages

- User-friendly
- Supports charging two cars at the same time (if equipped)
- Various cable / socket combinations
- The floor station is completed with an additional 3.5 kW electrical outlet
- Provides protection against short circuit, overload, overvoltage and overheating
- Vandal-proof performance



The charging station is designed for fast charging of onboard batteries of electric vehicles with direct current. The batteries are charged in accordance with the CHAdeMO or Combo 2 standards in Mode 4.

The station has a mounted version, can be operated outdoors, under a shed or in a garage with an industrial 3-phase power outlet.

PARAMETERS	VALUE
Supply voltage, V	380V
Efficiency in nominal mode,%, not less	95
Connector type	CHAdeMO, CCS Combo 2
Output parameters	
Maximum output power	30 kW
Maximum DC Output Voltage	500V
Maximum output current	60 A

Advantages

- The degree of protection of the outer shell is not less than IP54
- Indication of operating modes and control on OLED display
- Modular design of power blocks with the possibility of quick replacement
- Corrosion-resistant metal housing
- Possibility of user identification by RFID card
- Built-in wireless (GSM) network communications for intuitive system access
- Chargeable electricity counting device with real time clock



Personal charging station PSS is designed to charge electric vehicle batteries with alternating current at home (in a garage, in a private house, in a local parking lot). It is designed in three versions with a power output of 7.4 / 11/22 kW to choose from. By default, the station is mounted on vertical surfaces - walls, fences, pillars. Execution on a stationary stand or on a stand on wheels is possible. Overall dimensions of the station: 525 * 316 * 167mm. The charging time of the batteries depends on the capacity of the battery and ranges from 2 to 5 hours.

PARAMETERS	VALUE	
	7,4 kW	22 kW
Input parameters		
Supply voltage, V	220 ± 10%, variable single phase	380 ± 10%, variable three-phase (3P + N)
Power supply frequency, Hz	50 ± 1%	
Output parameters		
Maximum output power, kW	7,4	22
Maximum output voltage, V	220	380
Maximum output current, A	32	

Functionality

- Charging takes place in Mode 3, IEC61851-1 standard
- The PSS charging station can be located indoors or outdoors, the device is prepared for any realities of the Russian climate from minus 35 ° C to plus 50 ° C
- Built-in energy meter
- Protection against short circuit, overload, overvoltage and set service life - 15 years

Advantages

- Simple operation
- Possibility to install a turnkey charging station, including solving the issue of technological connection
- Charging at a reduced rate at night will reduce fuel costs
- Perhaps the best offer on the market in terms of price-quality ratio
- Free extended manufacturer warranty



Portable charging station for electric vehicles Mode-4 is designed for fast charging of on-board batteries of electric vehicles in situations where a stationary charger is not available. The station easily fits into the trunk of an electric vehicle, is easy to connect and operate - an excellent solution for car services, car dealerships and tire shops. Works outdoors, under a canopy or in a garage. The battery charging time depends on the capacity of the car batteries, for example, for the Nissan Leaf, the session time will be from 30 to 60 minutes.

PARAMETERS	VALUE
Supply voltage, V	380V
Efficiency in nominal mode, %, not less	95
Connector type	CHAdeMO, CCS Combo 2
Output parameters	
Maximum output power	30 kW
Maximum DC Output Voltage	500V
Maximum output current	60 A

Technical features

- Charging in accordance with the CHAdeMO 0.9 / 1.1 standard or CCS Combo 2 in Mode 4 (DC-constant current)
- The power supply requires connection to a 3-phase network with a power input of at least 31 kW
- The parameters of the charging process are set by electric transport
- The device is equipped with protection against short circuit, overload, overvoltage, overheating and leakage currents



Association for the Development of
Electric, Unmanned and Connected
Transport and Infrastructure



Japan CHAdeMO Association
promoting DC fast charging
standard



Working Party on the
Provision and Promotion
of Electric Vehicles



Certified equipment. It guarantees reliability, safety and ease of use



High degree of protection. From bad weather, from vandals, from careless handling



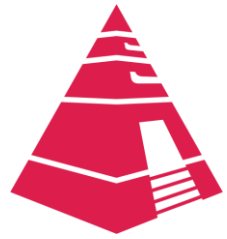
Compatible with most existing electric vehicles



Price. More affordable charging stations compared to other manufacturers







PSS
CHARGING STATIONS

PSS CHARGING STATIONS - NEW ENERGY FOR YOUR BUSINESS!

Find out more:

+ 7 (342) 257-90-59

export@pss.ru | www.pss.global