P-CHARGE

CHARGE

Specifically for use in the domestic sector

three-phase up to 11/22 kW
single phase up to 7.4 kW

AREA OF APPLICATION

The SP11L-704, SP22L-804 and SP22L-904 type charging stations are designed for high-capacity three-phase charging of electric vehicles. The SP07L-504 type charging station was developed for single phase charging.

With it, all present-day electric vehicles with a charge controller according to IEC 61851-1 Mode 3 can be charged. These charging stations are suitable to be installed in closed spaces as well as outdoors. They have an Ethernet connection and a serial port (RS232).

Furthermore, the charging station SP22L-904 offers an S0 impulse counter/energy meter and an RFID card reader for authentication instead of buttons. 3 LED indicators.

ELECTRONIC DATA

Nominal current configurable:	10 A, 13 A, 16 A, 20 A, 25 A, 32 A
Mains frequency:	50 Hz
Nominal voltage:	230/400 V AC
Terminal blocks:	6 mm^2 (L1, L2, L3, N and PE)
IP code:	IP54
Overvoltage category:	III
Impact resistance:	IK10
Ventilation provided by the customer:	Connection available
Residual current and wire protection:	on site
Charging operating mode:	according to IEC 61851-1 (Mode 3)
Charging capacity:	max. of 11 / 22 kW* or a max. of 7.4 kW*
Charging line:	5 m with plug type 2 or type 1
Ethernet connection:	RJ45
Operational status:	via LED in the buttons

ENVIRONMENTAL CONDITIONS

Operating temperature:	-25 °C to +40 °C
Barometric pressure:	860 hPa to 1060 hPa
Ambient humidity:	5% to 95% (non-condensing)

DIMENSIONS / WEIGHT / HOUSING

h x w x d (excluding cable and plug):	approx. 403 x 278 x 171 mm
Depth with charging cable:	approx. 236 mm
Weight (depending on model):	approx. 5.6 kg (min.), approx. 7.2 kg (max.)
Housing:	UV-resistant plastic housing

* The ultimate charging capacity depends on the respective electric vehicle and the capacity supplied by the network operator.

A product from the SSL Energie GmbH | Donaupark 13 | 93309 Kelheim | www.ssl-energie.de
Subject to technical modifications and typographical errors. Last updated: 09/2017 V8

GUIDELINES AND STANDARDS

- IEC 61851-1:2010 or EN 61851-1:2011 - Part 1: General requirements
- IEC 61851-22 or EN 61851-22:2002: AC charging station for electric vehicles
- IEC 61439-5:2010 or EN 61439-5:2011 - Part 5: Switchgear assemblies in public energy distribution networks
- IEC 61439-7:2011 or EN 61439-7:2011 - Part 7 (draft): Switchgear assemblies for particular kinds of business premises, rooms and facilities such as marinas, campsites, marketplaces and similar applications as well as charging stations for electric vehicles
- VDE (German Electrical Engineering Association) 0100-722 – Part 7-722: Installing low voltage systems – Part 7-722: Requirements for particular kinds of business premises, rooms / facilities
- VDE-AR-N 4102: Outdoor junction boxes on low voltage systems of the general supply, technical connection requirements for the connection
- of stationary control cabinets, meter connection columns, telecommunication systems and charging stations for electric vehicles

TYPES

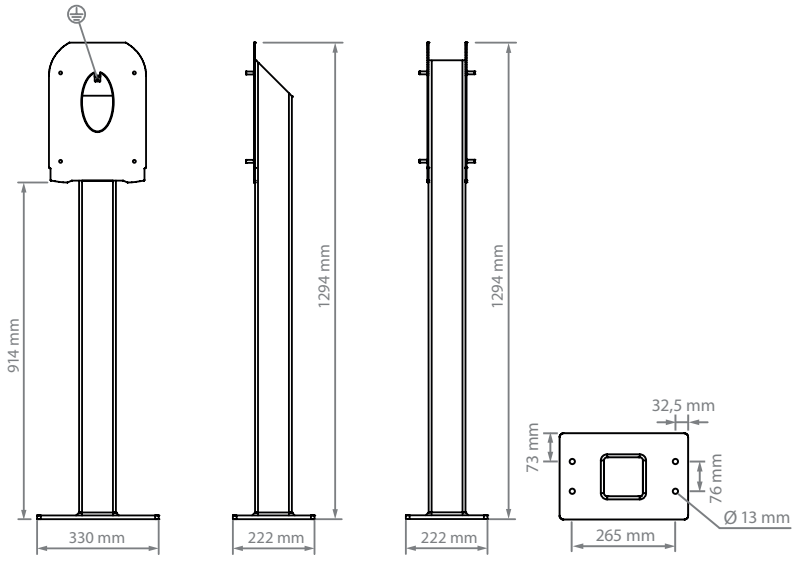
Item no.	Name	Charging capacity	Connection	Additional features
261020-704	**SP CHARGE SP11L-704**	max. of 11 kW (3-phase)	Type 2 - plug EN 62196	Integrated control unit
261020-804	**SP CHARGE SP22L-804**	max. of 22 kW (3-phase)	Type 2 - plug EN 62196	Integrated control unit
261020-904	**SP CHARGE SP22L-904**	max. of 22 kW (3-phase)	Type 2 - plug EN 62196	Integrated control unit S0 impulse counter/energy meter RFID card reader for authentication LED indicators (gr/ye/rd) [instead of buttons]
261020-504	**SP CHARGE SP07L-504**	max. of 7.4 kW (single phase)	Type 1 - plug EN 62196	Integrated control unit

Housing colour: RAL9003 (white), front middle section can be freely selected (basic version RAL6018), price upon request

ACCESSORIES

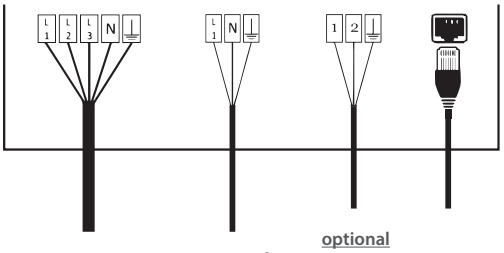
Item no.	Name	Description
261900-006	**Single base**	To enable stand-alone installation. Including accessories to mount the charging station.
261900-007	**Double base**	Like 261900-006 however, with a second mounting plate on the opposite side for second charging station.

BASES DIMENSION DRAWING (ACCESSORIES)



Single base Double base

CONNECTION SCHEMATIC (SP CHARGE)



5 x according to power output interruptible power supply

3 x 1.5 mm² permanent power supply

optional
2 x 2 x 0.8 Impulse from ext. meter

Ethernet and RS232

This product may only be installed and connected to the power grid by suitably qualified personnel. This product requires routine maintenance according to the maintenance instructions supplied with the product. We therefore recommend the maintenance of the acquired product by respectively qualified personnel. There is no liability for damages beyond the cases stipulated in the General Terms and Conditions; in particular, no liability is assumed for damages caused by vandalism, lighting/electrical surges, consequential costs for automobiles/vehicles or liability according to technical connection requirements. In the event of warranty, the SSL Energie GmbH only bears the required transport, route-related transport, labour and material costs; bearing the costs is excluded insofar as additional costs arise from transporting the object in question to a location other than the place of performance or bearing these costs is unreasonable. In the event of warranty, the product must be returned to the SSL Energie GmbH for error diagnostics and possible supplementary performance. Furthermore, the General Terms and Conditions of Sale and Delivery of the SSL Energie GmbH ("T&C") apply.