

SEEDHP 800_{split}



- 800 KW power booth delivering up to 2200A continuously
- Several thin charge posts, wallbox or floor-standing type, with 1 or 2 CCS2 connectors, dry or liquid cooled cables
- 150-1000V voltage range
- One or more power cabinets can be added to obtain n x 800KW total power
- Dynamic power sharing allowing many thin charge posts to dynamically share the power coming from the power booths
- RFID and OCPP integration
- Low maintenance, low energy consumption
- Compact and stylish italian design
- Customizable for branding

SEEDHP 800 is a high power, highly flexible, multi-standard 1000Vdc DC charging system. The system is composed of a single 800KW 2200A power booth and several thin charge posts for simultaneous charging of several EV DC vehicles, also with 500A liquid cooled DC connectors

One or more power cabinets can be added to deliver a multiple of 800KW / 2200A total power / current on several charge posts each with up to 2 x 400A dry cables or 500A liquid cooled cables.

The thin charge post can be wallbox with its own pedestal and with only one dry cable or floor-standing one with up to 2 dry or liquid cooled cables

Most of the components, including the cooling units, are housed in the power cabinets and so the charge posts can be compact and silent.

SEEDHP 800 supports 150 to 1000 Vdc voltage range

SEEDHP 800 has been designed keeping in mind the needs of the user and the operator: safety, ease of use and speed in charging operations; low install cost, reliability, low maintenance, low power consumption, scalability, quick assistance and support.

RFID reader, payment terminal, Internet connection and OCPP integration allow users and operators to easily connect and operate with the charger through different backends software, payment platforms or smart grid systems.

SEEDHP 800 can be customized for special applications like electric buses or truck, electric boats (corrosive marine and harsh environment).

The thin charge post can also be customized with logos and special stylish colour combinations: i.e. glossy black and aluminium, champagne and dark gray or orange and aluminum

Specifications

Plug	DC CCS IEC 62196-3	(Option) DC CHAdeMO JEVS G105
Thin charge post (wallbox with 1 cable, floor standing dispenser with max 2 cables)		
Output voltage	150–1000Vdc	150–500Vdc
Connectors	(Wallbox) Max 1x400A CCS2 dry cable (Floor-standing) Max 2x400A dry cables or 2x500A liquid cooled cables	1 x 200A CHAdeMO
Operator's interface	TFT LCD colour 7 ", touch screen	
Remote access protocol	OCPP 1.6 Json	
Authentication and payment	RFID-NFC reader ISO ISO14443A/B, ISO15693 (Optional) Anonymous credit card payment terminal	
Network connections	10/100 Base-T Ethernet, Wi-Fi GSM 3G/4G LTE CDMA, (optional) GPS	
Dimensions LxDxH / weight	Wallbox type dispenser: mm 701x404x500/ 63 Kg (cable not included) Floor-standing dispenser: mm 607x564x1650 / 210Kg	
LED & lighting	Vertical coloured led strips for charging status and lighting (1 with wallbox, 3 with floor standing)	

Power cabinet

Output power and current	800KW 2200A@360V continuous
Input AC	400 VAC +/- 10% / 3phase + PE / 45-65 Hz
Efficiency	93%-96.5% with load >10%
Power factor	>0,99 @ 400Vac & Rated Power (THD<5%)
Safety & EMC	IEC 61851-1, IEC 61851-23, IEC 61851-21-2 class A, IEC 62196-3, 2014/35/UE (CE) IEC 61439-2
Dimensions LxDxH / weight	mm 1215 x 810 x 1940H / 900 Kg approx

Other features

Temperature	Operating -25°C to +50°C (derating Tamb>45°C) /Storage: -35°C to +60°C
Rel. humidity	5% to 95% (non-condensing)
Enclosure	Galvanised steel (anti-corrosion treatment and powder coating), for outdoor, IP54 / IK10 (IK8 display) – Not for harsh and marine environment: please consider the special SEEDHP-MARINE
Protection and safety	Plugs electric separation, Short circu- it output, Overcurrent, Reverse current, Overvoltage, Low-voltage, Earth monitor, Isolation monitor, Overtemperature (output power derating at > 50°C internal)
Options	Custom colour combination and logos / CHAdeMO certification

Power modules

- Costant power, 150-1000Vdc
- Scalable DC power through additional AC/DC power modules
- True 3 phase input with active PFC
- Highly efficient up to 300KHz resonant topology

Applications

- Electric buses, trucks, boats
- Highway rest stops
- Petrol stations

