

SEED400DC

180 to 400KW DC/DC MODULAR FAST CHARGER

- Compact EV fast DC charger for DC microgrids and Battery Energy Storage systems
- Configurable single, dual outlet: CCS2, NACS or CHAdeMO
- Input / output voltage: 650 – 825 Vdc (for DC bus) / 150 to 1000Vdc
- **Scalable 180KW, 240KW, 320KW and 400KW**
- output voltage range, 500A or 600A CCS or NACS liquid cooled
- OCPP 1.6 integration
- Highly reliable and safe, resistant and anti-vandal
- Low maintenance, low energy consumption
- Easy to install, easy to use
- Compact and stylish italian design
- Customizable for branding

SEED400DC is a 400 KW configurable multi-standard DC charging station CCS combo 2 and/or CHAdeMO, with DC input.

Max 500A CCS and 200A CHAdeMO

The max power is shared between 2 connectors 2 x 200KW simultaneous or only 1 charge 400KW (dynamic and automatic) with max 400A current / 500A peak
Particularly suitable to be connected and powered in a DC microgrid and to a battery energy storage system (BESS)

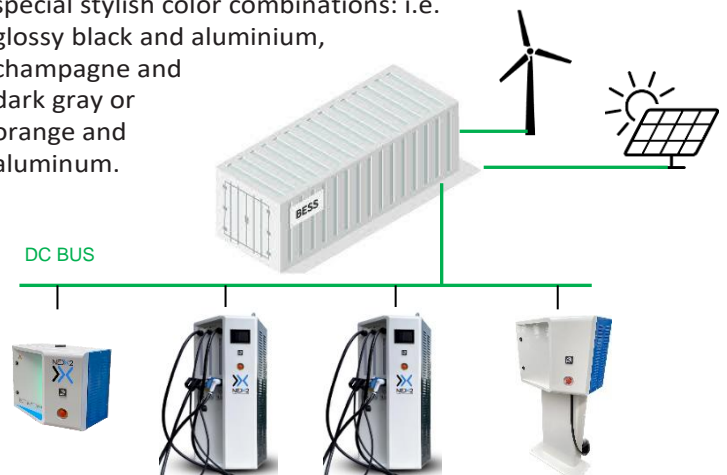
SEED400DC has been designed keeping in mind the needs of the owner of the electric vehicle and those of the operator: safety, ease of use and speed in charging operations; low install cost, reliability, low maintenance,



low consumption, scalability, quick assistance and support.

Internet connection and OCPP integration allow users and operators to easily connect and operate with the charger through different back-office software systems, payment platforms or smart grid systems.

SEED400DC can be customized with logos and special stylish color combinations: i.e. glossy black and aluminium, champagne and dark gray or orange and aluminium.



Specifications

Plug	DC CCS combo 2 (IEC 62196-3)			
Output power	180 kw = 2x90kW simultaneous or 1x 180kW			
	240 kw = 2x120kW simultaneous or 1x 240kW			
	320 kw = 2x160kW simultaneous or 1x 320kW			
	400 kw = 2x200kW simultaneous or 1x 400kW			
Vdc output voltage	150–1000Vdc			
Input / output current (A)	kW	Adc-out	Adc-in	Adc-inrush
	180	500	291	342
	240	667	389	456
	320	889	518	607
	400	1111	648	759
Protection and safety	Input UVP / OVP (OCP fuse), Output OVP (OCP fuse), Output RCP (Reverse Current Protection), Over Temperature			
Efficiency	≥95.5% @ 1000V-30A, ≥95.0% @ 350-500V&680-1000V, 50%~100%load with rated input			
Cables	2 x CCS2 or 1xCCS2 + 1xCHAdEMO 400A dry cables, 500A peak (max 15-20 mins), 5 mt (Optional) CCS2 liquid cooled 600A cables or With 2x cable lateral trays, (optional) 2 x cable retractors with lock, 4 mt max extension			
Operator's interface	TFT LCD color 7 ", touch screen			
Authentication and payment	RFID reader ISO15693+ISO14443A/B, Mifare S50 / S70, Mifare Ultralight, NFC Tag and compatible card - (Optional) Anonymous credit card payment terminal			
Energy meter	Output DC class 1 energy meter, comes with calibration certificate, (option MID or "Eichrechtskonform" DC energy meter)			
Network connection	Ethernet, Wi-Fi, 2G,3G,4G,EDGE,GPRS,GSM,LTE,UMTS - (optional) GPS			
Remote access protocol	OCPP 1.6 Json			
Operating ambient temperature	-25°C to +50°C, derating when Ta>45°C (optional: -35°C to 50°C)			
Storage temperature	-35°C to +70°C			
Rel. Humidity / Altitude	5% to 95% (non-condensing) / 2000 m			
Protection degree	IP54 / IK10 (IK8 display)			
Enclosure / Environment	Galvanised steel (anti-corrosion treatment and powder coating), for indoor and outdoor Standard colors: white RAL9016, grey RAL7026 only the side panels with louvers, glossy finished			
Certifications	IEC 61851-1, IEC 61851-23, IEC 61851-21-2, IEC 62196-3, 2014/35/UE (CE) IEC 61439-2			
Dimensions LxDxH / weight	mm 807 x 770 x 1850 / 600 Kg max approx.			
LED	2+1 vertical led strips for lighting and charging status			
Options	Custom colour combination, logos and wrapping / CHAdEMO 50Kw 125A or 100Kw 200A 500Vmax DC energy meter MID or Eichrechtskonform certified / cable retractors			

The characteristics can be modified by the manufacturer without prior notice - March 2024



NEX2 - Charging systems and devices for electric vehicles
Viale Pasubio 25/4 - 36030 Caldogno (Vicenza) Italy Ph +39 (0)444 905 440 www.nex2.it

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