

# SEEDBOX80

## 40 to 80 KW MODULAR DC WALLBOX 2 x DC parallel charging

- Configurable single or dual outlet CCS and CHAdeMO
- 1x single charge or 2 x double parallel charge
- Voltage range 150-1000Vdc
- OCPP 1.6J
- RFID reader, optional monitor
- **Scalable 40, 50, 60, 80KW**
- Low maintenance, low energy consumption, Easy to install, very easy to use
- Ideal for home/office, retail, business and commercial centres, restaurants, hotels, auto dealers, e-taxis or carpools at large organisations, petrol stations
- Compact and stylish design
- Customizable for branding
- (optional) Eichrechtskonform
- Optional pedestal for floor-standing



SEEDBOX80 is a multi-standard DC destination charger with 2xDC connectors and 2 x simultaneous charging

SEEDBOX80 supports both 500V and 920Vdc voltage range, adjusting max current in function of the voltage.

SEEDBOX80 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.

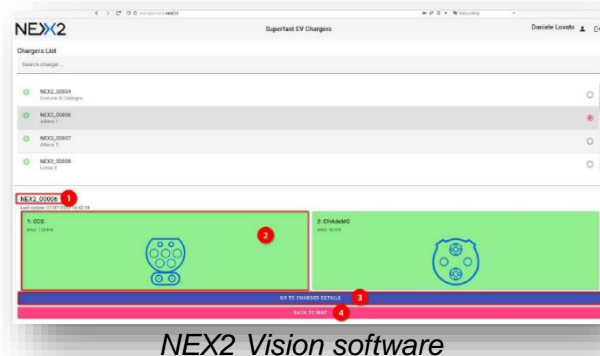
Internet connection and OCPP integration allow users and operators to easily connect and operate with the charger through different back-end software systems, payment platforms or smart grid systems.

SEEDBOX80 can be customized with logos and special stylish colour combinations: i.e. glossy black and aluminum, champagne and dark grey or orange and aluminum.

## Specifications

|  | SEEDBOX80   |
|--|---|
| Output power / current range           | 2x20kW or 1x40kW / 0 - 100A (constant power)<br>2x25kW or 1x50kW / 0 - 135A (constant power)<br>2x30kW or 1x60kW / 0 - 160A (constant power)<br>2x40kW or 1x80kW / 0 - 200 A (constant power)   |
| Output voltage                         | DC: 150-1000Vdc   |
| Efficiency (max)                       | ≥95%, @1000Vdc/50%~100% Load current, Max point ≥95.5%  |
| Dimensions LxDxH / weight              | mm 701 x 404 x 900/ 128 Kg (cable not included)   |
| Number of outputs / length             | Max 2 x DC: 2 x CCS2 4 mt or 1 x CCS + 1 x CHAdeMO / 4 mt   |
| Input AC                               | 400 VAC +/- 10% / 3phase + PE / 45-65 Hz,<br>kW    Iac (A)    I inrush (A)<br>40    69        81<br>50    86        101<br>60    103       121<br>80    137       161   |
| Protection and safety                  | Main switch, 2xIMD (Insulation monitoring device), overcurrent, over and under voltage, overheating<br>Optional devices (to be mounted externally): circuit breaker, type A or B RCD, SPD surge arrester                                      |
| Operator's interface                   | No. 2 LED strips for status of charging + 1 LED strip for lighting,<br>(Optional) TFT LCD color 7", touch screen  |
| Start/stop, Authentication and payment | RFID-NFC ISO IEC 14443-A ed NFC, MIFARE Ultralight®, NTAG203, MIFARE Mini, MIFARE Classic® 1K, MIFARE Classic® 4K, FM11RF08<br>(Optional) Anonymous contactless credit card payment terminal  |
| Network connection                     | 10/100 Base-T Ethernet, Wi-Fi GSM 3G/4G LTE CDMA, (optional) GPS  |
| Remote access protocol                 | OCPP 1.6 Json   |
| Operating temperature                  | -25°C to +50°C, derating Tamb > 45°C (optional -35°C to +50°C)  |
| Storage temperature                    | -40°C to +60°C  |
| Rel. Humidity / max altitude           | 5% - 95% (non-condensing) / 2000 asl  |
| Enclosure and Protection degree        | IP54 / IK10 outdoor, non-marine;<br>Standard colors: white RAL9016 + grey RAL7026 only the side panels with louvers, glossy finished  |
| Enclosure / Environment                | Steel painted with thermosetting epoxy polyester powders, for exteriors and interiors   |
| Standard & EMC                         | IEC 61851-1, IEC 61851-23, IEC 61851-21-2 class B, IEC 62196-3, 2014/35/UE (CE) IEC 61439-7   |
| Options                                | Pedestal, 7" touch screen monitor, MCB, type A or Type B RCDs, SPD surge arrester, MID or Eichrecht-German law approved DC energy meter, custom 2 colors combination, re-brand (customer logo), CHAdeMO plug, other certifications on request |

The characteristics can be modified by the manufacturer without prior notice – January 2024



**NEX2**

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