



DC-charging system BEYOND 50

iONiX
FULL. RANGE. POWER.

Simple. Beautiful. Powerful

The BEYOND 50 DC charging station meets the need of all stakeholders - users, operators and fitters.

It has been developed and classified in **compliance with German calibration regulations and SIL 2 according to the functional safety standard IEC 61508.**

The BEYOND 50 is a valuable asset in every environment, especially since it enables convenient charging along the way – for example in front of the supermarket, at the shopping mall, during a customer meeting or while dining at a restaurant.

Smart Home in private spaces:

The BEYOND 50 can be integrated into the energy ecosystem of the building.

V2G-ready:

Thanks to its vehicle-to-home capability, the BEYOND 50 will also contribute to optimizing energy costs.

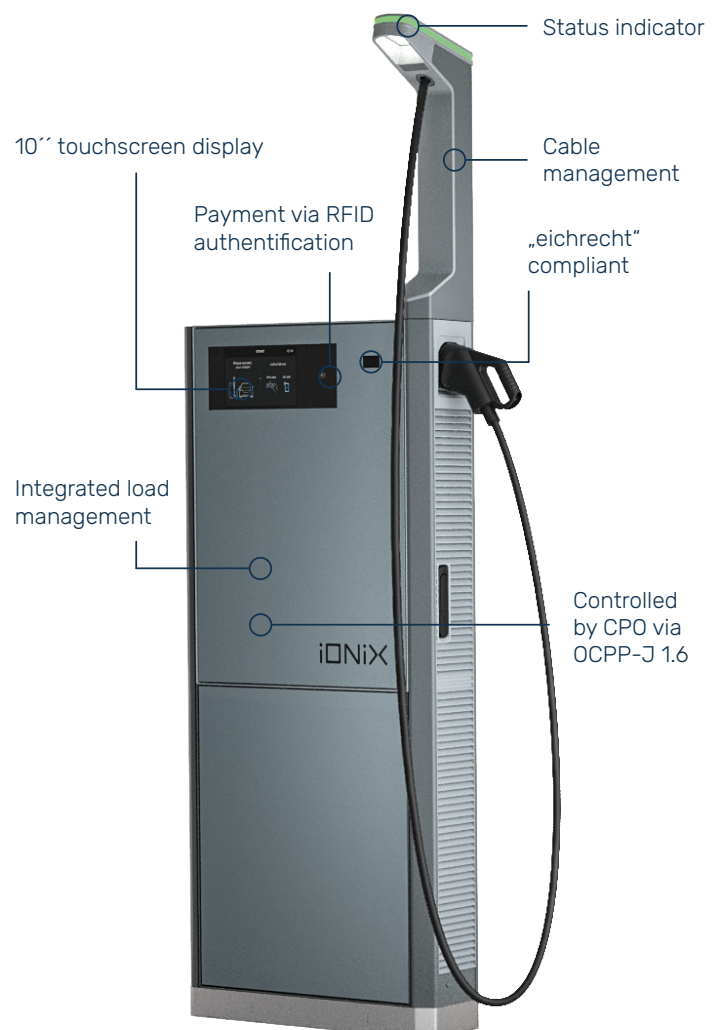


Illustration shows stand-mounted BEYOND 50

Technical data

BEYOND 50

PARAMETERS	SPECIFICATIONS
CHARGING INTERFACES	
Charging point	1 x DC
Max output power	50 kW
Output voltage	200 V _{DC} ... 1000 V _{DC}
Output current / _{max}	Up to 130 A
Charging cable length	3,3 m / CCS2
INSTALLATION	
Network system	TT, TN-S, TN-C-S
Short-circuit current to the EVSE	50 kA
Characteristic of the upstream 3-phase circuit breaker	B
System configuration	3NAC 230/400 V
Wire size L1, L2, L3, N	25 mm ² ... 75 mm ³
Wire size PE	mind. 25 mm ²
Insulation L1, L2, L3, N, PE	18 mm ... 20 mm
Nominal frequency	50 Hz
Nominal current (at max. power factor correction)	AC 86 A _{eff}
Cable feed	bottom
Mounting system	wall/stand mounting
Overvoltage category according to DIN EN 60664-1 III	III
Rated insulation voltage of network connection AC 400 V	AC 400 V
Rated voltage of network connection, phase N AC 230 V	AC 230 V
Rated voltage and rated insulation voltage of charging connection	DC 1000 V
GENERAL	
Dimensions (H x W x D)	2.298 mm x 726 mm x 270 mm
Weight	approx. 160 kg
Noise emission*	57 dB(A)**
* max. sound pressure level in 1 m distance	
** at 49,9 kW power and 18 °C ambient temperature	
COMMUNICATION	
Infrastructure	Ethernet, Modbus, WiFi, GSM/LTE
Remote maintenance/configuration	Ethernet, GSM/LTE
Authentication	RFID/NFC, Whitelist, free charging
Backend integration	OCPP-J 1.6
Energy management	EEBUS or integrated dynamic load management