

## i⊡NiX

# DC charging station AVA

#### Easy. Everywhere. On the go.

The charging station AVA fulfils the needs of all stakeholders: users, operators and electricians.

It is conform with German metering regulations, meets the requirements of the charging station ordinance LV2, and is classified and developed in accordance to the functional safety standard IEC 61508 with SIL2.

AVA is an asset to any environment and, above all, makes it possible to simply charge on the go. For example in front of the supermarket, shopping mall, during a customer meeting or a visit to a restaurant.

#### Smart home in the private space:

AVA can be integrated into the building's own energy ecosystem.

#### V2G-ready:

Thanks to its vehicle-to-home capability, AVA helps optimise energy costs.



### **Technical information**

#### **AVA**

CHARGING       Charging point     1×DC       Maximum power     25kW       Charging voltage     200 Voc to 1.000 Voc       Charging rate     Up to 65A       Charging cable / plug     Length 3.5 m, CCS2       Direct current meter     Conform with German metering regulations       INSTALLATION     Image: Conform with German metering regulations       INSTALLATION     Terminal up to 5×16 mm²: L1/L2/L3 + N + PE       Voltage rate / frequency     360 Vto 440 V/48Lz to 52 Hz       Mains system     TT, TN-S, TN-C-S       Harmonic content     THC/L < 13 %       Cooling     Cooling fan, active       Cable entry     Bottom, optionally from the rear       Installation     Wall-mounted, free-standing with support stele       OPERAL     2095 mm ×726 mm ×270 mm       Dimensions (H × W × D)     2.095 mm ×726 mm ×270 mm       1540 mm ×226 mm ×270 mm     1540 mm ×26 mm ×270 mm       Operating temperature     -25°C to +40 °C       Efficiency     > 95%       Noise emissions     54.6 dB (A)       (maintum sound pressure level)     *42 Sk W changing power. 18 °C ambient air temperature, sun with 1000 W/m²       Inigapostics     Monitoring for temper	PARAMETER	SPECIFICATION
Maximum power   25kW     Charging voltage   200 V <sub>60</sub> to 1.000 V <sub>60</sub> Charging rate   Up to 65A     Charging cable / plug   Length 3.5 m, CCS2     Direct current meter   Conform with German metering regulations     INSTALLATION   Connector / phase no.     Voltage rate / frequency   360 V to 440 V / 48 Hz to 52 Hz     Maximum input current   43A <sub>eff</sub> Mains system   TI, TN-S, TN-C-S     Harmonic content   THC/L: <13 %	CHARGING	
Charging voltage   200 V <sub>oc</sub> to 1.000 V <sub>oc</sub> Charging rate   Up to 65A     Charging cable / plug   Length 3.5 m, CCS2     Direct current meter   Conform with German metering regulations     INSTALLATION   Installations     Connector / phase no.   Terminal up to 5×16 mm²; L1/L2/L3 + N + PE     Voltage rate / frequency   360 V to 440 V/48Hz to 52 Hz     Maximum input current   43 Å <sub>ad</sub> Mains system   TT, TN-S, TN-C-S     Harmonic content   THC/L: <13 %	Charging point	1×DC
Charging rate   Up to 65A     Charging cable / plug   Length 3.5 m, CCS2     Direct current meter   Conform with German metering regulations     INSTALLATION   Engrin 3.5 m, CCS2     Connector / phase no.   Terminal up to 5×16 mm?; L1/L2/L3 + N + PE     Voltage rate / frequency   360V to 440V/48Hz to 52Hz     Maximum input current   43A <sub>m</sub> Mains system   Ti, TN-S, TN-C-S     Harmonic content   THC/L: <13%	Maximum power	25kW
Charging cable / plug   Length 3.5 m, CCS2     Direct current meter   Conform with German metering regulations     INSTALLATION     Connector / phase no.   Terminal up to 5×16 mm²; L1/L2/L3 + N + PE     Voltage rate / frequency   360 V to 440 V/48 Hz to 52 Hz     Mains up to current   43 Aut     Mains system   TT, TN-S, TN-C-S     Harmonic content   TH C/L: <13 %	Charging voltage	200 V <sub>pc</sub> to 1,000 V <sub>pc</sub>
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Mains system   TT, TN-S, TN-C-S     Harmonic content   THC/I: < 13%     Cooling   Cooling fan, active     Cable entry   Bottom; optionally from the rear     Installation   Wall-mounted, free-standing with support stele     GENERAL   Cooling     Dimensions (H×W×D)   2.095 mm × 726 mm × 270 mm     1.540 mm × 726 mm × 270 mm   1.540 mm × 726 mm × 270 mm     000000000000000000000000000000000000	Voltage rate / frequency	360 V to 440 V/48 Hz to 52 Hz
Harmonic content     THC/I: < 13%	Maximum input current	43A <sub>eff</sub>
CoolingCooling fan, activeCable entryBottom; optionally from the rearInstallationWall-mounted, free-standing with support steleGENERAL2,095 mm × 726 mm × 270 mm 1.540 mm × 726 mm × 270 mm 0.540 mm × 726 mm × 270 mmWeight incl. cable90 kgProtection codeIP54Operating temperature-25°C to +40°CEfficiency>95 %Noise emissions (maximum sound pressure level)54.6d B (A) 	Mains system	TT, TN-S, TN-C-S
Cable entry     Bottom; optionally from the rear       Installation     Wall-mounted, free-standing with support stele       GENERAL     2,095 mm × 726 mm × 270 mm       Dimensions (H × W × D)     2,095 mm × 726 mm × 270 mm       Veight incl. cable     90 kg       Protection code     IP54       Operating temperature     -25 °C to +40 °C       Efficiency     > 95 %       Noise emissions     54.6 dB (A)       (maximum sound pressure level)     *At 25 kW charging power, 18 °C ambient air temperature, sun with 1,100 W/m²       Diagnostics     Monitoring for temperature, overcurrent, overvoltage, short circuit, DC insulation, DC residual current       Display     10" touch screen       COMMUNICATION     Ethernet, modbus, WiFi, GSM/LTE       Remote maintenance / configuration     Ethernet, GSM/LTE/Plug & Charge       Authentication     RFID/NFC/giro-e/Plug & Charge       Backend connection     OCPP-J 1.6	Harmonic content	THC/I: < 13%
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AuthenticationRFID/NFC/giro-e/Plug & ChargeBackend connectionOCPP-J 1.6		
Backend connection   OCPP-J 1.6		
	Energy management	EEBUS or integrated load management

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