

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 ₆₀ to 1.000 V ₆₀ 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 _{eff} Mains system TI, TN-S, TN-C-S Harmonic content THC/L: <13 %	CHARGING	
Charging voltage 200 V _{oc} to 1.000 V _{oc} 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 _{ad} 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 _m 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 _{pc} to 1,000 V _{pc}
Direct current meter Conform with German metering regulations INSTALLATION Installation 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 43.A _{ut} Mains system TI, TN-S, TN-C-S Harmonic content THC/I: <13%	Charging rate	Up to 65A
INSTALLATION Connector/phase no. Terminal up to 5×16mm*: L1/L2/L3 + N + PE Voltage rate / frequency 360V to 440V/48 Hz to 52 Hz Maximum input current 43A _{eff} Mains system TT. TN-S. TN-C-S Harmonic content THC/L: <13%	Charging cable / plug	Length 3.5 m, CCS2
Connector / phase no. Terminal up to 5×16mm*: L1/L2/L3 + N + PE Voltage rate / frequency 360 V to 440 V/48 Hz to 52 Hz Maximum input current 43A _{ut} Mains system TT, TN-S, TN-C-S Harmonic content THC/I: < 13%	Direct current meter	Conform with German metering regulations
Voltage rate / frequency360 V to 440 V / 48 Hz to 52 HzMaximum input current43A_mMains systemTT, TN-S, TN-C-SHarmonic contentTHC/I: < 13 %	INSTALLATION	
Maximum input current 43A _{eff} Mains system TT, TN-S, TN-C-S Harmonic content THC/I: < 13 %	Connector/phase no.	Terminal up to 5×16 mm²: L1/L2/L3 + N + PE
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 _{eff}
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%
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/m³ 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	Cooling	Cooling fan, active
GENERAL 2.095 mm × 726 mm × 270 mm Dimensions (H × W × D) 2.095 mm × 726 mm × 270 mm (without pole base) Weight 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/m³ 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	Cable entry	Bottom; optionally from the rear
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Dimensions (H × W × D)2,095 mm × 726 mm × 270 mm 1,540 mm × 726 mm × 270 mm (without pole base)Weight incl. cable90 kgProtection codeIP54Operating temperature-25 °C to +40 °CEfficiency> 95 %Noise emissions (maximum sound pressure level)54.6 dB (A) *At 25 kW charging power, 18 °C ambient air temperature, sun with 1,100 W/m²DiagnosticsMonitoring for temperature, overcurrent, overvoltage, short circuit, DC insulation, DC residual currentDisplay10" touch screenCOMMUNICATIONEthernet, modbus, WiFi, GSM /LTERemote maintenance / configurationEthernet, GSM /LTE /Plug & ChargeAuthenticationRFID /NFC / giro-e /Plug & ChargeBackend connection0CPP-J 1.6		
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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	Dimensions (H×W×D)	
Operating temperature -25 °C to +40 °C Efficiency > 95% Noise emissions (maximum sound pressure level) 54.6 dB (A) *At 25 kW charging power, 18 °C ambient air temperature, sun with 1,100 W/m³ 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	Weight incl. cable	90 kg
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	Protection code	IP54
Noise emissions (maximum sound pressure level)54.6 dB (A) *At 25 kW charging power, 18 °C ambient air temperature, sun with 1,100 W/m²DiagnosticsMonitoring for temperature, overcurrent, overvoltage, short circuit, DC insulation, DC residual currentDisplay10" touch screenCOMMUNICATIONEthernet, modbus, WiFi, GSM/LTERemote maintenance/configurationEthernet, GSM/LTE/Plug & ChargeAuthenticationRFID/NFC/giro-e/Plug & ChargeBackend connectionOCPP-J 1.6	Operating temperature	-25°C to +40°C
(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	Efficiency	> 95%
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	Noise emissions	54.6 dB (A)
short circuit, DC insulation, DC residual current Display 10" touch screen COMMUNICATION Ethernet, modbus, WiFi, GSM/LTE Infrastructure 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	(maximum sound pressure level)	*At 25 kW charging power, 18 °C ambient air temperature, sun with 1,100 W/m²
COMMUNICATION Infrastructure 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	Diagnostics	
Infrastructure 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	Display	10" touch screen
InfrastructureEthernet, modbus, WiFi, GSM/LTERemote maintenance/configurationEthernet, GSM/LTE/Plug & ChargeAuthenticationRFID/NFC/giro-e/Plug & ChargeBackend connectionOCPP-J 1.6	COMMUNICATION	
Remote maintenance/configurationEthernet, GSM/LTE/Plug & ChargeAuthenticationRFID/NFC/giro-e/Plug & ChargeBackend connectionOCPP-J 1.6		Ethernet, modbus, WiFi, GSM/LTE
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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