



iONiX

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 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.



Model shown is the wall-mounted AVA

Technical information

AVA

PARAMETER	SPECIFICATION
CHARGING	
Charging point	1×DC
Maximum power	25 kW
Charging voltage	200V _{DC} to 1,000V _{DC}
Charging rate I max	Up to 65A
Charging cable / plug (according to ISO / IEC 62196-3: 2014-6)	Length 3.3m, CCS2, FF
DC meter conform with German metering regulations	6.5 A ... I max
INSTALLATION	
Mains system	TT, TN-S, TN-C-S
Short-circuit current	28 kA
Characteristics of the circuit breaker	B
Triggering threshold of the circuit breaker	≤ 50 A
Electrical system	3NAC 230 / 400 V
Rated frequency	50 Hz
Rated current	AC 43A _{eff}
THD/I (harmonic content according to DIN EN 61000-3-12: 2012-06, DIN EN 60664-1: 2008-01)	< 13 %
Cooling	Cooling fan, active
Cable entry	Bottom
Installation	Wall-mounted
GENERAL	
Dimensions (H×W×D)	2,095 mm × 726 mm × 270 mm 1,540 mm × 726 mm × 270 mm (without pole base)
Weight	approx. 90 kg
Protection code (according to IEC 60529 (1989) + A1 (1999) + A2 (2013))	IP54
Operating temperature	-25 °C to +40 °C (up to 50 °C with performance reduction)
Efficiency at rated power	> 95 %
Noise emissions (maximum sound pressure level at 1 m distance)	54.6 dB (A) (at 25 kW power and 18 °C ambient temperature)
Diagnostics	Monitoring for temperature, overcurrent, overvoltage, short circuit, DC insulation, DC residual current
Display	10" touch screen
COMMUNICATION	
Infrastructure	Ethernet, modbus, WiFi, GSM / LTE
Remote maintenance / configuration	Ethernet, GSM / LTE
Authentication	RFID / NFC
Backend connection	OCPP-J 1.6
Energy management	EEBUS or integrated dynamic load management

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