

SMART 160

TECHNICAL DATA



Information about the product

Charging type	AC + DC
Charging standard	Type 2 (AC) + CCS2 (DC)
DC output power	max. 160kW per charging point
AC output power	max. 22kW per charging point
DC output voltage	300 - 1000V
Nominal voltage	400V
Rated frequency	50Hz
Maximum current	AC 32A / DC 400A (with temperature monitoring)
Simultaneous charging	22kW AC + 160kW DC
AC output	AC charging socket
Cable length CCS Combo 2 (Mode 4)	1 x 8m, extendable up to 6.5m
Grid type	TN-C
Number of operated EVs (electric vehicles)	max. 2 EV simultaneously
Communication with the EV	DIN SPEC 70121:2014
Accessories	15.6" display (incl. colour/LED status display, pictograms)

User interface

User authentication	RFID, NFC (EC/credit), app, AdHoc
User interface	15.6" touchscreen with high contrast
Communication protocols	OCPP 1.6, connection of further interfaces e.g. OCPP 2.0
Connectivity	Mobile radio / Ethernet (RJ45) via MASTER 480
RFID reader	Yes
Certified backend	Monta, Wirelane

Configuration	
Software update	Over-The-Air (OTA)
Control and configuration	CPO via OCPP (Dashboard)
Multilingual system	German, English, Italian, Spanish and more than 50 languages available
General features	
IP and IK classification	IP54, IK10 System must not be exposed to higher humidity for longer than 2 weeks without power to prevent damage to the electronics.
Enclosure type (material)	Powder-coated steel and aluminium aluminium housing
Operating temperature range	min. -20°C to max. +45°C
Efficiency	95 % at full load
Ambient temperature range	min. -20°C to max. +60°C
Air humidity	5 % to 90 %
Mounting	Freestanding housing
Environment	Indoor and outdoor installation
Enclosure interlock	Lock on cover (remaining components cannot be removed)
Mounting accessories	Concrete base
Network functionality	External master control unit
Number of charging points in the network	3 x AC / 3 x DC charging points per power unit, max. 10 power units can be interconnected
Area of application	Semi-public, public
Noise emission	35 dB, at 1 m distance
Enclosure design	- Standard: RAL 3020 red, pillars RAL 9006 - Customised colour selection and foiling possible
Protective devices	- FI type B - LS overcurrent protection (MCB) - Overvoltage protection - Insulation monitoring
Dimensions (H x W x D)	1.99m x 0.95m x 0.35m
Weight	~ 200kg