

Variant	BASIC		MID		ERK
	GHO11E10# GHO11E100# GHO11E102#	GHO22E10# GHO22E100# GHO22E102#	GHO11E21# GHO11E210# GHO11E212#	GHO22E21# GHO22E210# GHO22E212#	GHO22E22# GHO22E221# GHO22E223#
Electrical specifications					
Charging power [kW]	11	22	11	22	22
Mains voltage [V]	220-240 / 380-415				230 / 400
Mains frequency [Hz]	50 / 60				
Vehicle charging connector	Type 2				
Rated current [A]	16	32	16	32	32
Charging power Mode 3 [kW]	11	22	11	22	22
Rated current Mode 3 [A]	3x16	3x32	3x16	3x32	3x32
Mains connection	L1, L2, L3, N, PE				
Overvoltage category (IEC 60664)	III				
Residual direct current detecting device (RDC-DD) [mA DC]	IΔN 6				
Installation network	TT/TN 3- and 1-phase; IT 1-phase				
Protection class	I				
Energy consumption [W] (energy saving mode on)	< 1		< 1		
Energy consumption [W] (energy saving mode off)	< 7		< 8		
Technical features					
Vehicle communication	PWM (acc. IEC 61851) / ISO15118-2				
Socket Type 2 with shutter	-				yes
Human machine interface (HMI)	RGB LEDs, Buzzer, Web-App				
Authentication	RFID, Plug&Charge (ISO15118), Autocharge				
Network interfaces	LAN (RJ45) – 10 / 100 Base-TX WiFi Client/Hotspot (simultaneously): 5GHz (802.11a, n, ac); 2.4GHz (802.11b, g, n) LTE & GSM (Optional for BASIC)				
Backend communication	OCPP 1.6j (2.0.1 in development)				
Power meter	Onboard		MID-compliant power meter		MID-compliant power meter and complete device compliant with German calibration law
Eichrecht compliant	-		-		yes
Integration in Home Energy Management System (HEMS)	EEBUS, Modbus for external power meter (TCP)				
Local Load Management	Via WiFi, Ethernet				
1/3 Phase Switching	GHO11E102#	GHO22E102#	GHO11E212#	GHO22E212#	GHO22E223#
Mechanical specifications					
Dimensions (H x W x D) [mm]	384 x 384 x 181				384 x 384 x 202
Weight (w/o cable) [kg]	3,15		3,57		3,99
Cable length [m]	4,5 / 7				-
Environmental and storage conditions					
IP protection class	IP55				
Mechanical impact protection	IK10				
Ambient temperature [°C]	-30 to +45		-25 to +45		
Storage temperature [°C]	-30 to +80				
Max. Altitude [m]	≤3.000		≤2.000		

Applied standards: IEC 61851-1, IEC/TS 61439-7, HD 60364-7-722, IEC 62955*

* The mechanical coupling required in IEC 62955 is implemented by an electrical coupling equivalent in safety level.

Only for ghostONE ERK variant: additionally German Measurement and Calibration Law (MessEG) and German Measurement and Calibration Regulation (MessEV)

V1.7 / Aug. 24 Subject to change without notice: All features, technical and other specifications are subject to change without notice.

WEEE registration number: 30058119

<https://esystems.de/oem-charging-solutions/>