

MODEL: **G6****CHARGER POWER SUPPLY INFORMATION**

NOMINAL VOLTAGE (SINGLE-PHASE CONNECTION) PER CONNECTOR	230 V AC (+10%, -10%) <small>*Nominal voltage depends on the car specification and reaches values between 110 V and 300 V</small>
NOMINAL VOLTAGE (THREE-PHASE CONNECTION) PER CONNECTOR	400 V AC (+10%, -10%) <small>*Nominal voltage depends on the car specification and reaches values between 110 V and 300 V</small>
NOMINAL CURRENT PER PHASE PER CONNECTOR	Max. 32 A per phase <small>*Three phase model 3 x 32 A, single phase model 1 x 32 A</small>
MAXIMUM CHARGING POWER PER CONNECTOR	7,4 kW (single-phase) and 22 kW (three-phase) <small>*Allows power sharing between connectors, where you can adjust total max. charging power (charging currents)</small>
FREQUENCY	47 Hz – 63 Hz
SUPPORTED GROUNDING SYSTEMS	The charging station should be properly grounded. Following grounding systems are supported: TN-S, TN-C, TN-C-S and TT under special conditions. Where possible, local grounding should be done.
STANDBY OWN ENERGY CONSUMPTION	Up to 20 W

CHARGER OUTPUT

NUMBER OF CHARGING OUTLETS (EVSES)	2
NOMINAL VOLTAGE (SINGLE-PHASE VEHICLE CONNECTED) PER CONNECTOR	230 V AC (+10%, -10%) <small>*Nominal voltage depends on the car specification and reaches values between 110 V and 300 V</small>
NOMINAL VOLTAGE (THREE-PHASE VEHICLE CONNECTED) PER CONNECTOR	400 V AC (+10%, -10%) <small>*Nominal voltage depends on the car specification and reaches values between 110 V and 300 V *On a three-phase charging station single- and three-phase vehicles can be charging</small>
NOMINAL CURRENT PER PHASE PER CONNECTOR	Max. 32 A per phase <small>*Three-phase model 3 x 32 A, single-phase model 1 x 32 A</small>
MAXIMUM CHARGING POWER PER CONNECTOR	7,4 kW (single-phase) and 22 kW (three-phase) <small>*Max. power can be adjusted (lowered) using the web interface of the unit</small>
CHARGING SOCKET TYPE	Type 2 socket according to IEC 62196-2 <small>*Socket with locking of charging cable plug</small>

ELECTRICAL PROTECTION

OVERVOLTAGE/SURGE PROTECTION	Should be installed in external electric cabinet.
DIFFERENTIAL PROTECTION	Delta I=30 mA, Different options possible: Type B or Type B+ (high immunity). <small>*All the differential protection is compliant with the following standards: • IEC/EN 62423 (Type B) • VDE 0664-400 (Type B+)</small>
OVERCURRENT PROTECTION/MCB	Characteristics C, 40 A.
ADDITIONAL PROTECTION, CHECKING IF MEASURED CHARGING CURRENT IS HIGHER THAN SET CURRENT	Slow overcurrent protection based on internal current measurements. <small>*Prevents circuit breaker outage. Stop charging if load (EV) does not follow current setpoint.</small>

METERING

MID METER	Three-phase MID meter installed inside the charging station for each charging outlet
------------------	--

COMMUNICATION INTERFACES WITH SMART HOME OR CPO BACKEND

MOBILE DATA	LTE router *Built-in LTE router supports following frequencies: • GSM GPRS EDGE: 850, 900, 1800, 1900 • UMTS HSPA: 800/850, 900, AWS 1700, 1900, 2100 MHz • Bands B6 and B19 (800 MHz) are a subset of B5 (850 MHz) and supported as well;	○
ETHERNET	Ethernet module *10M/100M connection available in the charger service area.	●

COMMUNICATION INTERFACES WITH ELECTRIC VEHICLES

IEC 61851	Standard version from 2017 supported *All vehicles also support older versions.	
------------------	--	--

COMMUNICATION PROTOCOLS

Ocpp	<ul style="list-style-type: none"> • OCPP 1.6 SOAP (limited messages) • Etre native protocol with backend management system 	
-------------	---	--

USER INTERFACES

LCD DISPLAY	<ul style="list-style-type: none"> • LCD visual dimensions: 147 x 58 mm • Single-colour LCD display 	•
WEB INTERFACE FOR LOCAL USERS AND MAINTENANCE	Embedded web interface that allows charger configuration and diagnostics.	
STATUS LED	Is turned on in standby mode to indicate charger current status. During charging status led creates spinning effect.	

OTHER USER INTERFACE FUNCTIONALITIES

HELP EMBEDDED ON SCREEN	Charging station's LCD provides help tips.	
MULTILINGUAL SUPPORT	Multiple languages supported. Only supported by Etre native protocol based on user's selected language.	

CHARGER UNLOCKING POSSIBILITIES

RFID READER	Supported cards: • Mifare 1k, 4k, Ultralight and DesFire cards • ISO/IEC 14443-4 cards (CD97BX, CD light, Desfire, PSCN072(SMX)) • Innovision Jewel cards (IRT5001) • FeliCa cards (RCS_860 and RCS_854) Frequency supported: • 13.56 MHz	●
PLUG AND CHARGE	Can be configured through embedded interface	●
MOBILE APP	YES *if supported by operator in the back-end	○
SMS	YES *if supported by operator in the back-end	○

BASIC MECHANICAL SPECIFICATION

DIMENSIONS (HXWXD)	130x28x20 [cm]
WEIGHT	37 kg
CASING MATERIAL	Stainless steel with extra anti-corrosion protection (powder coated) and polycarbonate display cover.
CASING COLOR	Two sides in white and black

INLET CABLE HANDLING

POWER CABLE DIMENSIONS	Up to 5 x 35 mm ² cables can be used.
ETHERNET CABLE TYPE	CAT-5, SFTP – preferred if laid together with power cables or on long distances. CAT-5 cable recommended longest distance without using signal repeaters is 100 m.

ENVIRONMENTAL SPECIFICATIONS

INGRESSION PROTECTION	IP54
TEMPERATURE RANGE – OPERATION	Standard: -20°C +50°C <small>*up to 99 % RH, non-condensing</small>
ALTITUDE	Max. 2.000 m

VANDALISM PROTECTION

IMPACT PROTECTION	IK10	●
LID LOCKING	Lid locking optionally available	○

MAINTENANCE

ACCESS TO SERVICE AREA	Service doors with key
FUNCTIONS SUPPORTED THROUGH SERVICE AREA	Access to: <ul style="list-style-type: none"> • Ethernet port • LTE Router & SIM • Charger system reset • Charger configuration reset • Protection manipulation • RCD protection test button (must be pressed once per year)
CLEANING PROCEDURE	<ul style="list-style-type: none"> • Cloth • Water – no alcohol