Tender text – Compleo eBOX – Functions depending on the version (smart, professional)

General Information	• Wallbox for charging electric vehicles according to IEC 61851-1 Mode 3 • Charging in the private and commercial sector (suitable for indoor and outdoor use) • One AC Charging Point • Type 2 socket or type 2 charging cable with up to 6.5 m useful length • Optional Calibration-conform billing (OCMF) of charging time and/or charging power • Guaranteed the readability of the charging data • Colored LED ring for intuitive user guidance • CE certification; UKCA • Conformity with EU Directives RoHS and REACH • Customizability possible through branding of the box • Mounting on pre-mountable Docking Station eCLICK • Made in Germany
Mechanical data	• Mounting on the wall and in a pole (for one or two eBOXes) possible • Easy handling due to low weight (3.1 kg without charging cable, max. 6.4 kg with charging cable and each without eCLICK/eSMARTMETER) • Compact design with low depth (W x D x H: 515 x 225 x 235 [without charging cable], 695 x 370 x 235 mm [with charging cable]) • Protection class of the housing at least IP55 • Protection class (mechanical impact resistance) at least IK10 according to IEC 62262:2002 • Convenient access due to front-mounted socket on Wallbox • Weatherproof and corrosion-resistant housing • Theft protection by locking cylinder
Electrical data	• 1- or 3-phase connection to the local power grid with 230/400 V, 50 Hz • Configurable Input Current 16 A - 32 A • Maximum 22 kW charging power • Consumption measurement by Electricity meter eSMARTMETER, optional for eCLICK; MID-conform and CE-certified
Protective devices	• Integrated 6 mA DC residual Current detection (GFCI) • Welding Detection (Signal for welded Power Contacts) • Integrated Overvoltage protection according to IEC 61851-21-2:2018 (ESD/Surge/Burst)
Connectivity	• Communication interface via WLAN, LAN or mobile radio via backend-specific and permanently installed SIM card, can be provided before production • Use of private software services via WLAN or LAN • Use of the OCPP 1.6 JSON communication protocol , integration of the charging station into all compatible backends possible • FNN control box interface; potential-free contacts, Modbus protocol • Direct communication via Bluetooth Class 1 and 2 (Power Level) • Control of the charging current via PWM pilot signal according to IEC 61851-1:2017) • Integration into an energy management system possible, e.g. via Modbus TCP/IP
Installation	• Wall mounting on docking station eCLICK • Usage at humidity levels from 5 to 95 % • Installation possible in the European grid types TN and TT • Mounting material and operating instructions included • Storage temperature between -30°C and +80°C
Betrieb	• Operating temperature between -30°C and +50°C • If necessary, reduction of the charging current or shutdown to avoid overheating (derating) • Use at an altitude of up to 2,000 m above sea level

Authentication/ Activation	• Free charging, smartphone app (eCHARGE+ app/third-party apps) via contract charging or direct payment via epowerdirect.com • Activation by RFID charging card • ISO 15118 ready
UI/UX	• LED ring for charging status display • 2 LED indicators for status authorization and vehicle connection, 1 LED button for Bluetooth connection • Graphical operating instructions on user interface (glued to the side as a graphic)