



E-charging station

Data sheet

Pioneering in terms of reliability and efficiency



E-CHARGING STATION



Future-proof your car park – with your own charging infrastructure.

Drivers of electric or hybrid vehicles often want to charge the energy storage during parking. By offering your customers e-charging stations at the parking spaces, you can increase both the attractiveness and revenues of your car park.

The ICA e-charging station is fully integrated into the parking management system. The e-charging station is activated by the parking ticket – the charging process begins. The kilowatt hours consumed are determined in compliance with calibration law and transferred to the ICA MultiTicket system.

If several charging stations have been installed, the available power is divided among the connected consumers via the intelligent, dynamic load management. Charging is possible up to 22 kW.

At the end of the parking process, customers go to the pay machine as usual. Apart from the parking fees incurred, the kilowatt hours consumed will be charged here. After the payment process, the pay machine ends the charging process and the plug can be removed from the e-charging station.

Charging capacity	3.7 / 4.6 / 7.4 / 11 / 13.8 / 22kW (16A, 20A, 32A; one or three-phase)
Number of charging points	1
Own consumption in stand-by	6 W
Connector	type-2 socket according to DIN 62196-2
Degree of protection	IP 55
Status indicators	LED ring and 3 LEDs
Charging mode	mode 3 in accordance with IEC 61851
Vehicle communication	control of the charging current via PWM pilot signal in accordance with IEC 61851-1:2017
Personal protection: integrated protection technology	integrated, all-current sensitive current sensor (GFCI) for DC fault monitoring, threshold value: DC 6 mA
Integrated overvoltage protection	according to IEC 61851-21-2:2018 (ESD/Surge/Burst)
Indication signal for welded power contacts (welding detection)	connection via changeover contact (max. 230 V, 1 A), used e.g. for shunt releases to separate main power path
Consumption measurement	measurement compliant with calibration law
Backend connection	LAN or SIM card
Certifications	CE certificate (inspected and approved by certified body)
Dimensions (W x H x D)	180 mm x 450 mm x 170 mm
Weight	3,1 kg
Operating temperature	-30 °C bis +50 °C (overheat protection: reduction of power output at higher temperatures)
Mounting variants	<ul style="list-style-type: none"> ▪ pole mounting ▪ wall mounting