

The Keywatt 50 charging station has a power output of 50 kW (DC) and has been designed to meet the need for urban charging. It offers a universal solution that is capable of charging two vehicles at the same time in 30-60 minutes (on average).

An ideal charging station for shopping centres, restaurants, sports centres, public car parks, car dealerships, fleets and charging infrastructure operators.



Input

Voltage : 380-480 VAC 50/60Hz 3 Phase (3P + N + Ground)
Nominal input current: 37 A

Power factor: > 0.98

Efficiency: 94%

Output

Voltage: 200 VDC to 500 VDC

Current: 1.5 to 125 A

Max output power: DC 50 kW, AC 22 kW (43 kW option)

Hardware Protections

Input fuses on each module

Output diode and fuse on power module

Fast acting fuses on output

AC input and DC output relays

Operating Temperature

Temperature: -25°C to +50°C (derating above 35°C)

Relative humidity: 10% to 95%

Electronic Protections

Overload and output short-circuit

Over temperature and temperature regulation

Output over voltage / reverse polarity

Charging plug defects / Communication failure

Insulation monitor device on DC output

Communication Bus

COMBO 2 and/or CHAdeMO and/or AC Type 2

AC Type 2 - 22 kW T2S or 43kW Cable (optional)

Cable length: 4 Metres (DC), 5 Metres (AC 43kW)

Mechanical Features

Dimensions: H 1,800 x L 600 x I 814

Weight: 350 kg

IP level: 55 / Shock resistance: IK10 (Screen IK08)

Find out more on the next page →



Communication

Vehicle interface:	CAN (CHAdeMO / GB) PLC GreenPhy (COMBO & AC)
Supervision capability:	Compatible OCPP 1.6 Ethernet or 3G/4G modem 2 separate modems (Maintenance & Operation)
Access & identification:	RFID reader (Mifare + Calypso) Payment terminal for dual and multi 43 KVA AC (EU)
Functions:	Smart charging Reservation Simultaneous charge AC + DC

Standard Compliance

Directive RED 2014/53/EU
Directive EMC 2014/30/EU
Directive LVD 2014/35/EU
Charge: DIN70121
Compatibility E.V. ready

Configuration and Options

Customisation:	Factory configuration of the charging station to the operator (supervision, SIM card) Customisable logo on the 7 inch touchscreen Customisable branding available LED Indicators (RGB) for each output
Output options:	Single output: Combo 2 Dual output DC: Combo 2 + CHAdeMO Dual output AC/DC: Combo 2 + AC 22 kW Multi output: Combo 2 + CHAdeMO + AC 22 kW T2S (or AC 43kW optional)