



Beyond Charging

Fast charging station

STATION - KEYWATT 50 kW



CHARGES 150 KM IN 30 MIN

DC FAST CHARGING STATION

Universal, compact,
AC/DC simultaneous charging

Customisation

You can customize the design of your charging station (sticker, socket, logo on the screen of the HMI, etc.)



Maintenance
and software
update

Easy to use

Universal, multi-language
solution with 7'
touchscreen

SMART software suite

Smart charging, vehicle
detection, reservation, power
modulation, load
management...

On demand

Can be equipped
with 22 kW or
43 kW AC socket
and payment
terminal

Combo, CHAdeMO, 22 or 43 kW AC...

Simultaneous charging AC/DC
Charges up to 150 km in 30 min

Disabled access

Suitable for public car parks
and roads

Low maintenance

Thanks to hermetic design,
connection and remote
monitoring

Robust

To protect the
technology inside



Energie

Compatible with photovoltaic installations
Smart Charging function for energy savings



STATION - KEYWATT 50 Multi-Standard



Overview

- > Universal Multi-Standard 50 kW Charging Station for EVs
- > Combo 2 and/or CHAdeMO and/or AC Type 2 (22kW or 43kW optional)
- > Simultaneous charge AC and DC
- > KEYWATT hermetic design, without air filter and low maintenance
- > Easy installation and implementation into public places
- > Dual modem for operation & maintenance supervision
- > 7" Touch screen display
- > Remote & smart power management via OCPP 1.6 or Ethernet
- > Easy customization (Front Panel sticker + Menu Graphics)
- > Payment terminal included for Dual and Multi 43 KVA AC



Robust &
Field Proven



Low Cost of
Ownership



Easy
Installation



KEYWATT
Services



Easy
Customization

Available charging protocols



Combo 1/2



CHAdeMO



AC Type 2
22 kW (43 kW optional)

Main features

With a delivered power of 50 kW (in DC) or 22/43 kW (in AC), the new KEYWATT 50 Station will charge all EVs on the market in 30 min typically. Two charging points are available thanks to the simultaneous charge capability. Based on the KEYWATT™ hermetic design without air filter, maintenance needs are greatly reduced and service continuity optimized. Connected to a centralized network by wire or through air via OCPP1.6, the delivered output power can be adjusted on-line for smart charging.

Main applications

- > Destination charging
- > EV infrastructure and Operators
- > Public Stations
- > Service Providers
- > Car Dealerships

INPUT

Voltage : 380-480 VAC 50/60Hz 3 Phase (3P + N + Ground)

Nominal input current: 83 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 meters (DC), 5 meters (AC 43kW)

CARACTERISTIQUES MECANIQUES

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

Weight: 350 kg

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

Communication & Functions

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

Configuration & options

Customization:

- **Factory configuration of the charging station to the operator (supervision, SIM card)**
- Customizable logo on the 7 inch touchscreen
- IES Standard color front door
- Front door customizable on request (sticker)
- 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)

Standard compliance

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



Shopping Centers



Restaurants



Parking Lots



Public Stations



Car Dealerships