

Fast charging station

## STATION - KEYWATT 24



CHARGES 150 KM IN 1 HOUR

# DC FAST CHARGING STATION

Universal, compact,  
AC/DC simultaneous charging

**Maintenance**  
and software  
update

## Easy to use

Universal, multi-language  
solution with 7"  
touchscreen

## Disabled access

Suitable for public car  
parks and roads



## Customisation

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



## Indicator lights

By charging point

## SMART software suite

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

## Combo, CHAdEMO, AC socket type T2S...

Simultaneous charging AC/DC  
Charges up to 150 km in 1H

## Robust

To protect the  
technology inside

## Low maintenance

Thanks to hermetic design,  
connection and remote  
monitoring







# STATION - KEYWATT 24 Multi Standard

## Overview



Version Tri-Standard

- > Charges EV cars in than 1 hour (typically)
- > Delivers 22/24 kW charge to all EV types
- > Simultaneous charge AC and DC
- > Compact design with no backside ventilation for easy installation
- > Low Power Subscription fee
- > Made for Urban environment (Disabled access, LED Indicators....)
- > Maintenance free cooling system without air filter
- > Robust design for outdoor use (IP 55 / IK 10)
- > Dual Modem for separate operation & maintenance activities
- > OCPP1.6 for Smart Charging
- > Front panel & user menu are customizable



Fast  
charging



22/24 kW  
charger for all EVs



3x less cost vs  
50 kW chargers



No  
Air Filter



Simultaneous  
charge AC/DC

## Available charging protocols



Combo 2



CHAdeMO



AC socket  
Type T2S

## Main applications

- > Destination charging
- > EV infrastructure and Operators
- > Public Stations
- > Service Providers
- > Shared Buildings

## Main features

With a delivered power of 24 kW (in DC) or 22 kW (in AC), the KEYWATT 24 Station will charge all EV on the market in one hour typically. Two charging points are available thanks to the simultaneous charge capability. Compatible with disabled access, with a small surface footprint, usable against a wall, the station is an ideal solution for providing fast charging points at shopping centers, restaurants, parking areas or for any public environment. Connected wirelessly via OCPP1.6, upgrades, supervision and operation can be done remotely in a smart and optimized way.

INPUT
Voltage : 400 VAC +/-10 % 50/60Hz 3 Phase (3P + N + Ground)
Nominal input current: 72 A
Power factor: > 0,99
Efficiency: 95%
OUTPUT
Voltage : 150 VDC to 530 VDC
Current: 1,5 to 65 A
Max output power DC 24 kW, AC 22 kW
INSULATION
Input / Output : 5200 VDC
Input / PE : 1500 VAC
Output / PE : 2600 VDC
OPERATING TEMPERATURE
Temperature: -25°C to +55°C (derating above 40°C)
Relative Humidity: 10% to 95%

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
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 & CHAdeMO interface
Cable length: 5,5 meters
With or without AC socket Type 2S – 22 kW E.V. Ready
CARACTERISTIQUES MECANIQUES
Dimensions : H 1,750 x L 700 x I 356
Weight: 200 kg
IP level: 55 / Shock resistance: IK10

## 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)

### 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 / E.V. Ready (on-going)



Shopping Centers



Restaurants



Parking Lots



Public Stations



Shared Buildings

## 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
- White label available on request (sticker)
- LED Indicators (RGB) for each output

### Configurations:

- Bi-standard
- Tri-standard

### Input connection:

- 3P+N 400V (Europe)



CCS



CHAdeMO

