

Fast charging station

## KEYWATT 24 WALLBOX *Multi*



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

## SMART software suite

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

## Low maintenance

Thanks to  
hermetic design,  
connection and  
remote  
monitoring

## Robust

To protect the  
technology inside

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

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



## Customisation

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







# KEYWATT 24 WALLBOX - Multi Standard



## Overview

- > Charges EV cars in 1 hour and 1 hour ½ (typically)
- > Delivers 24 kW charge to all EV types
- > Whatever their protocol (CHAdeMO, Combo and/or AC Type 2)
- > Simultaneous charge AC and DC
- > Compact design for fast & economic installation
- > Low Power Subscription fee
- > Maintenance free cooling system without air filter
- > Compatible with all AC networks, 1-Phase & 3-Phase
- > 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



24 kW  
charger for all EVs



3x less cost vs  
50 kW chargers



No  
Air Filter



Smart  
Power

## Available charging protocols



Combo 1/2



CHAdeMO



AC socket  
Type 2S

## Main applications

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

## Main features

With its compact design, the KEYWATT Wallbox can be installed in less than two hours, either on a wall or on a pedestal. Its rated 24 kW output power will charge most EV cars typically in one hour, independently of their protocols (Combo, CHAdeMO and/or AC Type 2). Based on a unique design without air filter, the maintenance needs are greatly reduced. Adaptable thanks to its customizable front panel & user menu, it is an ideal solution for providing fast charging points at shopping centers, restaurants, parking areas or for any workplaces or shared buildings. Connected wirelessly via OCPP1.6, upgrades, supervision and operation can be done remotely in a smart and optimized way.



INPUT
Voltage : 380V-480 VAC 50/60Hz 3 Phase (3P + N + Ground)
Nominal input current: 37 A
Voltage : 208V-240 VAC 50/60Hz 3 Phase (3P + Ground)
Nominal input current: 65 A – For Bi version only
Voltage : 220V-240 VAC 50/60Hz 1 or 2 Phase (2P + Ground)
Nominal input current: 112 A - For UL version only
Power factor: > 0,99
Efficiency: 95%
OUTPUT
Voltage : 150 VDC to 530 VDC
Current: 1,5 to 65 A
Max output power : 24 kW
INSULATION
Input / Output : 5200 VDC
Input / PE : 1500 VAC
Output / PE : 2600 VDC
OPERATING TEMPERATURE
Temperature: -25°C to +50°C (derating above 35°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 (1 or 2 ) & CHAdeMO interface
Cable length : 3,25 meters
With or without AC socket Type 2 – 22 kW E.V. Ready
MECHANICAL FEATURES
Dimensions : H 1,225 x L 507 x W 250
On Pedestal: H 1,835 x L 536 x W 336
Weight : 93 kg / 138 kg with Pedestal
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

## Standard compliance

- RED Directive 2014/53/EU
- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- FCC Part 15
- UL2022 / UL2231-1/2, CAN/CSA C22.2
- Charge DIN70121 / E.V. Ready compatible (for 22 kW AC))

## 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)
- Pedestal option available

### Configurations:

- Tri-standard: Combo / CHAdeMO / AC
- Bi-Standard: Combo / CHAdeMO
- Dual: Combo + AC

### Input connection:

- 3P+N 400V (Europe) or 3P 240V w/o Neutral (Norway)
- 3P+N 480V or 3P 240V w/o Neutral
- 1P or 2P version for USA on request



Shopping Centers



Restaurants



Parking Lots



Public Stations



Shared Buildings



Beyond Charging