

Charging station

# KEYWATT® W24



# KEYWATT® W24 Multi-Standard



Mono standard

Dual standard

Bi standard

Tri standard

Mono standard  
Pedestal

Bi standard  
Pedestal

Tri standard  
Pedestal

Dual standard  
Pedestal

## Overview



- Charging electric vehicles takes between 1 hour and 1 hour 30 minutes (on average)
- Outputs: Combo and/or CHAdeMO and/or AC
- Simultaneous full-power AC/DC charging (if AC output is available)
- Compact design for economical and fast installation
- Energy subscription fees & reduced maintenance
- Filter-free cooling system
- Robust design for outdoor use (IP55/IK10)
- Compatible with OCPP 1.6 for remote monitoring.
- Double modem for operation and maintenance



Designed in France



Fast charging



Low operating cost



Easy installation



KEYWATT® Services



Interoperability and adaptability

## Features

The compact design of the Walbox KEYWATT W24 allows it to be installed in less than two hours on a wall or pedestal.

With a power output of 24kW (DC) and/or 22kW (AC), it will charge all electric vehicles on the market in 1 to 1.5 hours on average, with Combo and CHAdeMO protocols. Thanks to the filter-free air design, maintenance needs are significantly reduced.

Customizable (front panel colors & user menu), the multi-standard KEYWATT W24 is the ideal solution to provide shopping centers, restaurants, parking lots, or condominiums with universal fast charging points. Through OCPP1.6 connection, updates, monitoring, operation, and real-time parameter adjustments can be done remotely for optimal and dynamic use.



# DC CHARGING STATION

## Modular, compact, simultaneous AC/DC charging

**Maintenance**  
and remote  
software updates

**Easy to use**  
Universal multi-language  
solution with 7" touchscreen  
display

**Low  
maintenance**  
Thanks to the  
sealed design,  
remote connection  
and monitoring



**SMART Software**  
Smart charging, remote  
reservation, power  
modulation, charge  
profile

**Combo,  
CHAdeMO, Type  
2S socket**

Simultaneous AC/DC  
charging (dual and  
triple versions)  
Charge up to 120km  
in 1 hour

**Robust**  
To protect the  
technology inside



### CUSTOMIZATION

You can customize the design of your charging station (color, front face, sticker, logo on the screen of the UI).



### SOFTWARE

Compatible with photovoltaic installations.  
Smart Charging features for energy savings.

## DC

Voltage: 360V-440VAC 50Hz three-phase (3P + N + Ground)

Input Nominal Current: 38A Maximum Current: 42A

Voltage: 480VAC +/- 10% 60Hz three-phase (3P + N + Ground)

Input Nominal Current: 32A Maximum Current: 45A

Voltage: 208V-240VAC 60Hz three-phase (3P + Ground)

Input Nominal Current: 72A Maximum Current: 80A

Voltage: 208V-277VAC 50/60Hz single or two-phase (2P + Ground)

Input Nominal Current: 128A Maximum Current: 140A

Power Factor: > 0.99

Efficiency: 95%

## OUTPUT

Voltage: 150 VDC to 530 VDC

Current: 1.5 to 65 A

Output power: 24 kW

## EQUIPMENT PROTECTION

Input fuses

Fuses & Output diode on each power module

Quick-acting fuses on output

AC input relay and DC output relay

## OPERATING TEMPERATURE

Temperature: -25°C to +55°C

Relative Humidity: 10% to 95%

## COMMUNICATION

Communication protocol (vehicle / station):

CHAdeMO

Combo: CCS 1 (UL) or CCS 2 (CE & UKCA)

Type 2 AC socket

Supervision capacity:

Compatible with OCPP 1.6

Ethernet or 3G/4G modem

2 separate modems (Maintenance / Operation)

Access & Identification:

RFID reader (Mifare) ISO 14443A/B

7" HD touchscreen color display (18 languages)

Functions:

Smart Charging

Simultaneous AC+DC charging (version with AC output)

## AC

Voltage: 360V-440VAC 50Hz three-phase (3P + N + Ground)

Nominal input current: 32A

## COMPLIANCE WITH STANDARDS

FCC Part 15

UL2022 / UL2231-1/2, CAN/CSA C22.2

DIN70121 Charging Standard ISO 15112

E.V. Ready Compatibility (for AC 22 kW)

## ELECTRONIC PROTECTION

Short circuit and overload

Overheating

Output overvoltage / Reverse polarity

Input voltage fault / Communication failure

Isolation monitoring device on DC output

## AVAILABLE STANDARDS

Interface COMBO (1 or 2) and/or CHAdeMO

Cable length: 3.25 meters

With or without Type 2 AC Socket - 22kW

## MECHANICAL FEATURES

Dimensions: H 1,225 x L 507 x I 250

On pedestal: H 1,835 x L 536 x I 336

Weight: 93 kg / 138 kg on pedestal

## CONFIGURATIONS AND OPTIONS

Customization:

Factory configuration of the charging station by the operator (supervision, SIM card)

Option to customize the logo displayed on the 7" touchscreen

Customization of the front door with a sticker provided by the client

Pedestal available as an option

Available configurations:

Tri-standard version: Combo / CHAdeMO / AC

Bi-Standard version: Combo / CHAdeMO

DUAL version: Combo + AC

MONO version: Combo

Mono or Bi-Phase version for the USA upon request

Network connection:

3P+N 400V (Europe) or 3P 240V without Neutral (Norway)

3P+N 480V or 3P 240V without Neutral (USA)



commercial spaces



Restaurants



Parkings



Streets



Dealerships