

Charging station  
**KEYWATT<sup>®</sup> S50**



# KEYWATT® S50 Multi-Standard



Bi- standard version



Dual- standard version



Tri- standard version



Designed in France

## Overview



- Universal 50 kW Electric Vehicle Charging Station
- Combo 2 and/or CHAdeMO and/or AC Type outputs (22kW, 43kW optional)
- Simultaneous AC & DC charging (Dual / Tri-Standard version)
- Hermetic design without air filter usage
- Dual modem for Operation & Maintenance
- 7" Touchscreen Display
- OCPP1.6 compatible for remote monitoring
- Easy customization (front panel and Menu)
- Integrated payment terminal for Bi, Dual, and Multi 43 KVA AC versions



Fast charging



Low operating cost



Easy installation

## Features

With a power output of 50 kW (in DC) or 22/43kW (in AC), the KEYWATT® S50 station allows for charging all EVs on the market in an average of 30 minutes. Two charging points are available through simultaneous AC+DC charging.

Thanks to our hermetic design without the use of an air filter, maintenance needs are significantly reduced, optimizing service.

Connected to an OCPP1.6 network in wired or wireless mode, power can be adjusted in real-time for intelligent charge management.



KEYWATT® Services



Interoperability and adaptability



# DC Charging Station

Modular, Compact, Simultaneous AC/DC Charging



## DC Meters Certified (optional)

In compliance with European legislation

## Maintenance

Remote Software Update and Maintenance

## Smart Software

Smart Charging, Vehicle Detection, Remote Reservation, Modulation of Power, Load Profile...

## Easy to Use

Universal, Multi-Language Solution with 7" Touchscreen Display



## Combo, CHAdeMO, AC Type 2

Simultaneous AC/DC Charging:  
Up to 125 km in 30 minutes

## On Request

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

## PMR

Suited for Public Parking and Street Use

## Low Maintenance

Remote Connectivity and Monitoring Enabled by Hermetic Design

## Durable

To Safeguard 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.

## INPUT

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

Nominal input current: 83A

Power factor: 0.98

Efficiency: 94%

## OUTPUT

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

Rated Input Current: 32A (22kW version) or 63A (43kW version)

Communication: T2S Socket

Voltage: 200 VDC to 500 VDC

Current: 1.5 to 125 A

DC output power 50 kW, AC output 22 kW (43

## EQUIPMENT PROTECTION

Input Fuses

Output Fuses & Diodes on each power module

Fast-acting output fuses

AC Input Relays and DC Output Relays

## OPERATING TEMPERATURE

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

Relative Humidity: 10% to 95%

## COMMUNICATION

### Communication protocol (vehicle / charging station):

CHAdMO

Combo: CCS2

AC: T2S socket or 43 kW cable

### Supervision capability:

Title: OCPP 1.6 Compatibility

Ethernet or 3G/4G Modem

2 Separate Modems (Maintenance / Operation)

### Access & Identification:

RFID Reader (Mifare + Calypso)

Optional POS (bi and tri-standard version)

7" HD Touchscreen Color Display (24 languages)

### Functions :

Smart Charging (Dynamic and Programmable Power Management by Charging Profile)

Remote Reservation

Simultaneous AC + DC Charging



## COMPLIANCE WITH STANDARDS

Directive RED 2014/53/EU

Directive EMC 2014/30/EU

Directive LVD 2014/35/EU

DIN70121 Charging

## ELECTRONIC PROTECTION

Short Circuit and Overload

Overheating

Output Overvoltage / Polarity Reversal

Input Voltage Fault / Communication Failure

DC Output Isolation Monitoring Device

## AVAILABLE STANDARDS

Combo 2 and/or CHAdMO and/or AC Type 2

AC Type 2 - 22kW T2S Socket or 43kW Cable

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

## MECHANICAL CHARACTERISTICS

Dimensions: H 1,800 x W 600 x D 814

Weight: 350 kg

Protection Rating: IP55 / IK10 (IK08 screen)

## CONFIGURATION & OPTIONS

### Standard Hardware Configuration:

LED Display with 3-color (RGB) for Each Output

### Customization:

In-factory Configuration of Terminal by Operator (Monitoring, SIM Card)

Customizable Logo on 7" Touchscreen Display

Standard IES Synergy Front Panel Color Customizable with Stickers (Client Provided File)

### Modularity and Options:

Optional DC Meter

Optional Detection Loops

Optional Payment Terminal

### Output configurations :

Single Output:

Combo 2

Double DC Output:

Combo 2 + CHAdMO

Combo 2 + CHAdMO (+POS)

Double AC/DC Output:

Combo 2 + AC 22 kW

Combo 2 + AC 43 kW (+POS)

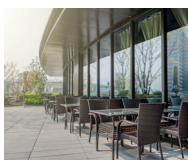
Multiple Outputs:

Combo 2 + CHAdMO + AC 22 kW POS

Combo 2 + CHAdMO + AC 43 kW + POS



Shopping Centers



Restaurants



Parkings



Public Charging Stations



Dealerships