

Charging station

KEYWATT® S24



KEYWATT® S24 Multi-Standard



Dual-Standard version



Tri-Standard version



Designed in France

Overview



- Charge electric vehicles between 1 hour and 1 hour 30 minutes (on average)
- Simultaneous AC & DC charging
- Compact design without rear ventilation for easy installation
- Low energy subscription fees
- Designed for urban environments (accessible to persons with reduced mobility, light indicators, reduced footprint)
- Air filter-free cooling system
- Robust stainless steel design
- Designed for outdoor use (IP55 / IK10)
- OCPP 1.6 compatible for remote supervision
- Dual modem for Operations & Maintenance



Fast charging



Low operating cost



Easy installation

Features

With a power output of 22 kW (AC) or 24 kW (DC), the KEYWATT® S24 Station will charge all electric vehicles on the market in an average time of 60 to 90 minutes, utilizing CCS and CHAdeMO protocols. Two charging points are available thanks to simultaneous charging. Compatible with accessibility standards, wall-mountable, and with a reduced footprint, the KEYWATT® S24 is the ideal solution for providing universal fast charging points in shopping centers, restaurants, parking lots, or public spaces.

Through the OCPP 1.6 connection, updates, supervision, operation, and real-time parameter adjustments can be performed remotely for optimal and dynamic usage.



KEYWATT® Services



Interoperability and adaptability

DC Charging Station

Modular, compact, simultaneous AC/DC charging»

Remote

Maintenance and software updates

Modem

3G/4G

Certified DC meters (optional)

Compliant with European legislation

Easy to use

Universal solution, multi-language with 7" touchscreen (24 languages)

PMR

Suitable for public parking and road use

Payment options

RFID reader
Contactless credit card reader

Protections

Integrated differential protections

Low maintenance

Thanks to the sealed design, remote connection and monitoring



LED indicators

charging point

SMART software

Smart Charging, vehicle detection, reservation, remote access, modulation of power, charging profile...

Connectors CHAdeMO Combo, Type T2S socket...

Simultaneous AC/DC charging. Charge up to 120 km 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.

INPUT

Voltage: 400V +/-10% 50Hz

Nominal Current: 70A

Maximum Current: 78A

Power Factor: >0.99

Efficiency: 95%

OUTPUT

Voltage: 150 VDC to 530 VDC

Current: 1.5 to 65 A

DC Output Power: 24 kW, AC Output Power: 22

EQUIPMENT PROTECTION

Input fuses

Output fuses & diodes on each power module

Fast-acting fuses on output

AC input relay and DC output relay

12-24V power supply circuit breaker

Surge protector

OPERATING TEMPERATURE

Temperature: -25°C to +55°C (Derating from +40°C)

Relative Humidity: 10% to 95%

COMMUNICATION

Communication protocol (vehicle / charging station):

CHAdEMO

Combo 2 (CCS2)

Type 2 AC Socket

Supervision capability:

OCPP 1.6 compatible

Ethernet or 3G/4G modem

2 separate modems (Maintenance / Operation)

Access & Identification:

RFID reader

Optional: NFC, Credit Card (1 unique payment terminal)

7" HD touchscreen color display (24 languages)

Functions:

Smart Charging

Remote reservation

Simultaneous AC + DC charging

COMPLIANCE WITH STANDARDS

RED Directive 2014/53/EU

EMC Directive 2014/30/EU

LVD Directive 2014/35/EU

(compliant with IEC 61851-1 ed. 3)

ELECTRONIC PROTECTION

Short circuit and overload

Overheating

Output overvoltage / Reverse polarity

Input voltage fault / Communication failure

Isolation monitoring device on DC output

AVAILABLE STANDARDS

COMBO 2 & CHAdEMO interface

Cable length: 5.5 meters

AC Type T2S-2kW socket

MECHANICAL CHARACTERISTICS

Dimensions: H 1,750 x W 700 x D 356

Weight: 220 kg

Degree of protection: IP55 / IK10 (IK08 for screen)

CONFIGURATION & OPTIONS

Standard Hardware Configuration:

MID AC (AC charging)

MCB / RCB, integrated connections

Single power cable

Mains power failure detection

2-color LED display (RGB) for each output

Options and Customization:

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

Customizable logo on the 7-inch touchscreen

Customizable standard IES color front door with sticker (provided by the customer)

Configuration and activation of the payment terminal

Accessory: vehicle detector (2 spots)

Interchangeable locking cylinder (provided by the customer)

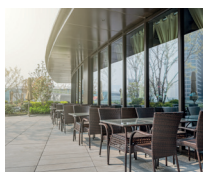
Optional DC meter

Configuration: Dual- or Tri-standard

Network Connection: 3P+N 400V (Europe)



Shopping Centers



Restaurants



Parkings



Public Stations



Condominiums