KEYWATT®
Charging

ies

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

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.

Easy installation

KEYWATT® Services

Interoperability and adaptability

DC Charging Station
Modular, compact, simultaneous AC/DC charging»

Remote
Maintenance and software updates

Modem
3G/4G

FRANCE RELANCE

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

KEYWATT
Charging
DC - FAST CHARGER
24 kW
KEYWATT
By ies

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.

No contractual images for illustrative purposes.

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)

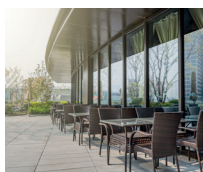Interchangeable locking cylinder (provided by the customer)

Optional DC meter

Configuration: Dual- or Tri-standard

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

CCS CE ISO RoHS ADVENIR

Shopping Centers   Restaurants   Parkings   Public Stations   Condominiums

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