Wallbox KEYWATT 24kW Multi Standard

Overview

- Charges EV cars in less than 1 hour (typically)
- Delivers true 22/24kW charge to all EV types
- Compact design for fast & economic installation
- Low Power Subscription fee (eg 36kVA in France)
- Maintenance free cooling system without air filter
- Compatible with all worldwide AC networks
- Robust design for outdoor use (IP 54 / IK 10)
- OCPP1.6 for Smart Charging
- Front panel & user menu are customizable

Fast charging

True 22/24kW charger for all EVs

3x less cost vs 50kW chargers

No Air Filter

Smart Power

Available charging protocols

Combo 2

CHAdeMO

AC Type 2

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 24kW 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 work places or shared buildings. Connected wirelessly via OCPP1.6, upgrades, supervision and operation can be done remotely in a smart and optimized way.

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Beyond Charging

INPUT
Voltage : 380V-480VAC 50/60Hz 3 Phase (3P + N + Ground)
Nominal input current: 37A
Voltage : 208V-240VAC 50/60Hz 3 Phase (3P + Ground)
Nominal input current: 65A
Voltage : 220V-240VAC 50/60Hz 1 or 2 Phase (2P + Ground)
Nominal input current: 112A
Power factor: > 0,99
Efficiency: 95%
OUTPUT
Voltage : 150VDC to 530VDC
Current: 1,5 to 65A
Max output power : 24kW
INSULATION
Input / Output : 5200VDC
Input / PE : 1500VAC
Output / PE : 2600VDC
OPERATING TEMPERATURE
Temperature: -25°C to +55°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 : 4 meters (other on request)
With or without AC socket Type 2 - 22kW E.V. Ready
MECHANICAL FEATURES
Dimensions : H 1,225 x L 507 x W 250
Weight: 85 kg
IP level: IP54
Shock resistance: IK10

Communication

Vehicle Interface:
- CAN (CHAdeMO / GB)
- PLC GreenPhy (COMBO & AC)

Supervision capability:
- Wireless: 3G via OCPP1.6
- LAN/TCP-IP, CAN or WiFi optional

Access & identification:
- RFID reader
- Touch screen

Configuration & options

Display & Communication module:
- 7 inch touch screen
- User Menu with adjustable graphics
- OCPP1.6 card, others on request
- Ethernet connection on request

Presentation:
- IES standard anthracite panel, customizable on request (serigraphy or sticker)
- Pedestal option available

Input connection:
- 3P+N 400V (Europe) or 3P 240V w/o Neutral (Norway)
- 3P+N 380V (China)
- 3P+N 480V or 3P 240V w/o Neutral (USA - pending)
- Other (1P or 2P) on request

Standard compliance

- RED Directive 2014/53/EU
- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- FCC Part 15 (pending)
- UL2022 / UL2231-1/2, CAN/CSA C22.2 (pending)
- Charge: ISO15118 / DIN70121 / E.V. Ready

CCS CHAdeMO E.V.READY


Shopping Centers


Restaurants

Parking Lots


Public Stations


Shared Buildings