24kW Wallbox KEYWATT Single Standard

Overview

> Charges EV cars in less than 1 hour (typically)
> One charging output, either CCS Combo 1 or CHAdeMO
> Compact design for fast & economic installation
> Low Power Subscription fee
> Maintenance free cooling system without air filter
> Compatible with all AC networks, 1-Phase & 3-Phase
> Robust design for outdoor use (IP 54 / IK 10)
> Dual Modem for separate operation & maintenance activities
> OCPP1.6 for Smart Charging
> Front panel & user menu are customizable

(Wallbox shown with its optional pedestal and front panel sticker)
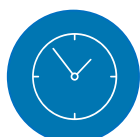
Fast charging

Easy installation

Low Subscription fee

No Air Filter

Smart Power

Available charging protocols

Combo 1   Combo 2   CHAdeMO   GB/T

Main applications

> Car Dealerships
> Service Centers
> Enterprise fleet
> Utility vehicle fleet

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 24 kW output power will charge all EV cars typically in one hour, via its Combo 1 or 2, CHAdeMO or GB output. 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 car dealerships, service centers, or for any utility vehicle or enterprise fleet. 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-480 VAC 50/60Hz 3 Phase (3P + N + Ground)
Nominal input current: 37 A
Voltage : 208V-240VAC 50/60Hz 3 Phase (3P + Ground)
Nominal input current: 65 A
Voltage : 220V-240 VAC 50/60Hz 1 or 2 Phase (2P + Ground)
Nominal input current: 112 A
Power factor: > 0,99
Efficiency: 95%

OUTPUT
Voltage : 150 VDC to 530 VDC
Current: 1,5 to 65 A
Max output power : 24 kW

INSULATION
Input / Output : 5200 VDC
Input / PE : 1500 VAC
Output / PE : 2600 VDC

OPERATING TEMPERATURE
Temperature: -25°C to +50°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
GB / COMBO (1 or 2) or CHAdeMO interface
Cable length : 3,5 meters

MECHANICAL FEATURES
Dimensions : H 860 x L 507 x W 250
On Pedestal: H 1,533 x L 536 x W 321
Weight : 66 kg / 117 kg with Pedestal
IP level: 54 / Shock resistance: IK10

Communication

Vehicle interface:
- CAN (CHAdeMO / GB)
- PLC GreenPhy (COMBO)

Supervision capability:
- Wireless: 3G via OCPP1.6
- LAN/TCP-IP

Access & identification:
- RFID reader
- Touch screen

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

Configuration & options

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

Presentation:
- IES standard anthracite panel
- White label available on request (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

CCS   CHAdeMO   GB

CE   UL   ISO   RoHS

Car Dealerships   Service Centers   Enterprise Fleet   Utility Vehicles

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