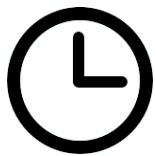




# 24kW Wallbox KEYWATT Mono CHAdeMO



60 minutes by light EV  
Charging completed  
without charging



Weight 72kg  
Compared to other  
companies' 25kW chargers  
lightweight and compact

## Available charging protocols



CHAdeMO Ver1.2.5

(Scheduled to be acquired in February 2024)

## Main place of use

- Express SA/PA/Roadside Station
- Commercial facilities/Accommodations
- Apartment/Monthly Parking
- Office/Factory

## Overview

Charging time for EV vehicles

(verification results by our company)

NISSAN SAKURA 5%→80% **47minutes**

(Storage battery 20kWh)

Electricity 15.1kWh about 529 JPY (reference)

(Normal charging takes about 7 hours)

NISSAN ARIYA 3%→80% 190minutes

(Storage battery 91kWh Largest in Japan)

Electricity 66.5kWh about 2,328 JPY (reference)



- low power charging (NISSAN SAKURA)
- light vehicle EV with one charge about 529 JPY
- Can run about 100km with 80% remaining  
(Varies depending on in-vehicle air conditioning operation and battery status)
- Electricity cost about 5.29 JPY/km  
(Pay-as-you-go rate only)

## Features

Wallbox KEYWATT 24kW is compatible with CHAdeMO standard (Ver1.2.5)

With a rated power of 24kW, a light EV vehicle (SAKURA) can be fully charged in approximately 47 minutes

Front panel design can be customized



Reference : Our front panel designs

Input
Voltage : 200V (50/60Hz)
3P AC Current 65A
Power factor > 0.99
Efficiency : 95%
Output
Voltage 150~530V (DC)
Current 1.5~65 A
Maximum output : 24kW
Insulation
Input/output : 5200 V (DC)
Input / PE : 1500 V (AC)
Output / PE : 2600 V (DC)
Operating environment
Operating temperature -25°C~+55°C
Relative humidity : 10%~95%

Hardware protection
Input fuse for each module
Power module output diodes and fuses
Equipped with an instant-blow fuse on the output
AC input and DC output relays
Electronic protection
Overload and output short circuit
Overheating and temperature regulation
Output overvoltage/reverse polarity
Charging flag failure/communication failure
DC output insulation monitoring device
Communication busbar
COMBO (1 or 2) or CHAdeMO interface
Cable length : 3.5m
Mechanical characteristics
Size : H 860×W 507×D 250 (mm)
Dimensions on pedestal : H 1533×W 536×D 321 (mm)
Weight : 66kg/117kg (including pedestal)
IP level : 55 Impact resistance

## Communication

### Vehicle interface

- CAN (CHAdeMO)

### Monitoring device

- Wireless : 3G/4G via OCPP1.6
- LAN/TCP-IP

### Access and identification

- RFID reader (MIFARE)

### Function

- Dynamic Power Management
- Reservation

## Compliance with standards

- RED Directive 2014/53/EU
- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU
- FCC Part 15
- UL2022 / UL2231-1/2, CAN/CSA C22.2
- Charge DIN70121



Expressway SA/PA  
Roadside Station



Commercial facility



Inside the parking lot



Can be mounted on car

Japan distributor

**Hokkaido denkisogo Co., Ltd**

〒006-0820

1-10 Maeda 10-jo 11-chome, Teine-ku, Sapporo, Hokkaido

TEL : 011-803-5720

E-MAIL : info@denkisogo.jp

**ies**  
Beyond Charging

[www.ies-synergy.com](http://www.ies-synergy.com)