

**Nidec**

Conversion

***DIRECTPOWERPS™***

**DC WALLBOX &  
DC PORTABLE**







#### ■ DC Wallbox Ideal For:

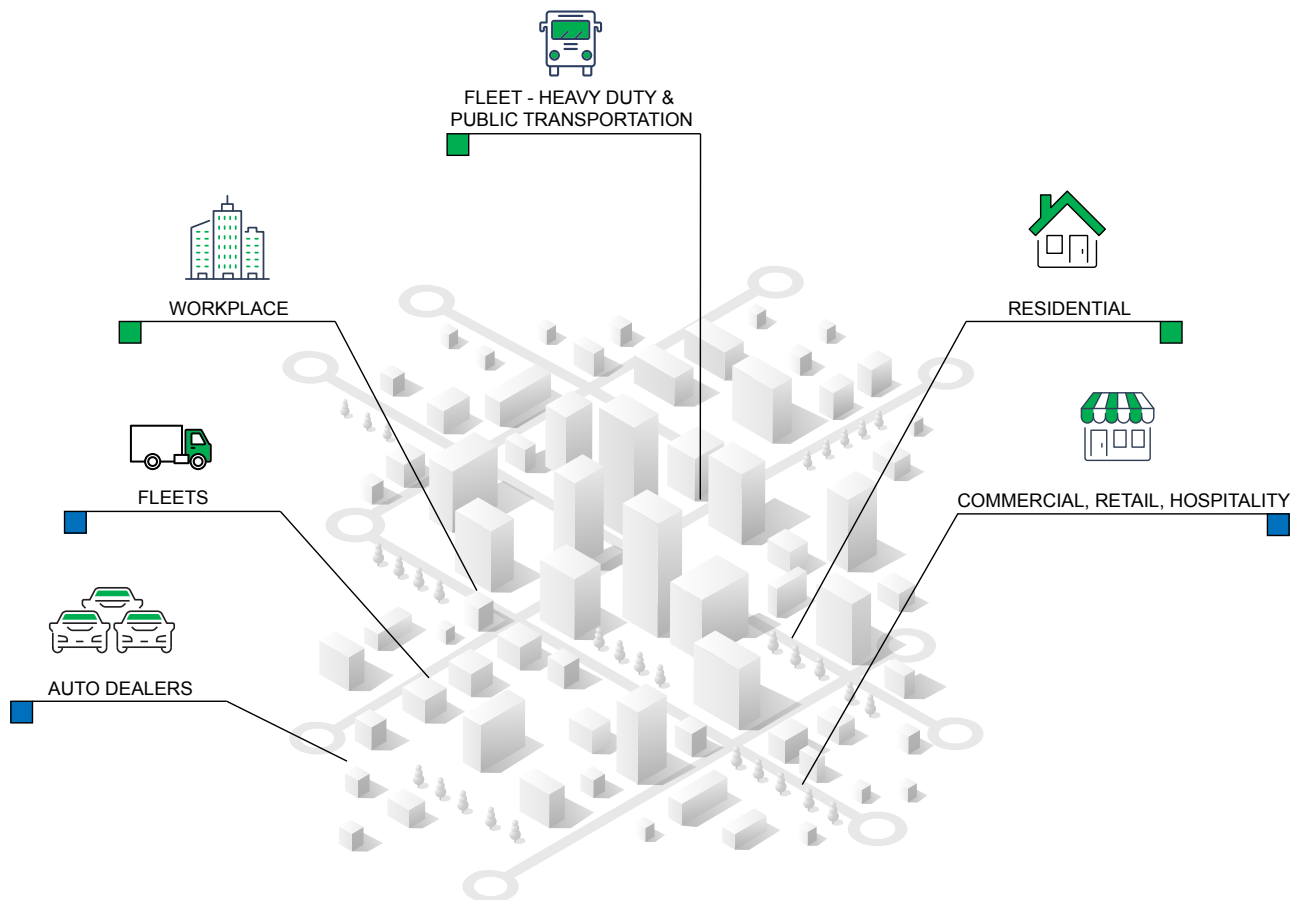
- Residential
- Workplace
- C&I (Commercial retail & hospitality)
- Fleets
- Auto dealers

#### ■ DC Portable Ideal For:

- Fleets
- Auto dealers
- C&I (Commercial retail & hospitality)

## DC WALLBOX & DC PORTABLE

Designed for all your needs and applicable to a wide variety of industries



#### **Residential:**

Homeowners who own or plan to own an EV.

#### **Workplace:**

Businesses that provide EV charging for their employees and visitors.

#### **C&I:**

Commercial, retail and hospitality venues that offer EV charging for their customers and guests.

#### **Auto Dealers:**

Car dealerships that sell or service EVs.

#### **Fleets:**

Organizations that operate multiple EVs for transportation or delivery purposes.

# DC WALLBOX & DC PORTABLE

DC Wallbox and DC Portable are innovative EV charging solutions that accommodate different customer needs. That Both chargers feature a dual connector DC design, with an optional AC plug, that can deliver a maximum DC output of 60kW.

DC Wallbox is a compact and modular charger that can be installed on a wall or a pedestal, ideal for residential and workplace, C&I (Commercial retail & hospitality), Fleets, Auto dealers settings.

DC Portable is a flexible and mobile charger that can be mounted on a four-wheeled kart, perfect for C&I, auto dealers, and fleets. Both chargers are compatible with all types of vehicles and offer fast and reliable charging performance.

## DC Wallbox

## DC Portable



**DC WALLBOX WALL MOUNTED**

The DC Wallbox mounted on the wall is designed to **minimize the installation space** and ensure an easy use of the charger even in the most constricted conditions.

Its compact design seamlessly integrates into **any environment**, even when it's tight like underground parking.

The **robust connector holders** keep cables neatly in place, eliminating tripping hazards and maintaining a tidy charging area.



**DC WALLBOX ON THE PEDESTAL**

The DC Wallbox on the **pedestal** is designed to provide a comfortable and convenient charging experience for the user.

The sleek pedestal allows easy installation in any location.

The **flexible cable management system** allows the user to easily plug and unplug the plug without any hassle or strain.

The height is optimized to ensure perfect screen **visibility** and **easy accessibility** to the connectors.



**DC PORTABLE**

The DC Portable on the **four-wheeled** kart is designed to offer mobility and versatility.

The charger **can be relocated** and positioned anywhere, according to the user's preference and convenience.

The **top mounted handles** allow the user to easily move the charger if needed, without any tools or assistance.

The user interface is placed on the top of the charger, making it **easy to use** and monitor the charging status.

# TAILORED FOR ANY SOLUTION

Nidec DC Wallbox and DC Portable is ideal for any charging need. Configure the charger to suit your preferences!



## CUSTOMIZABLE OPTIONS

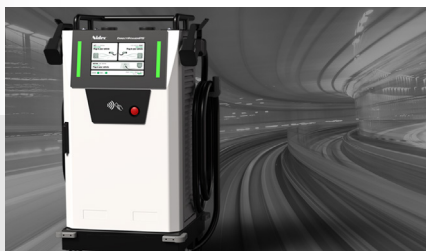
1. 2 power levels: 30kW or 60kW
2. Up to 2 DC Connectors (CCS or CHAdeMO)
3. Additional 32A AC type 2 socket
4. Length of connectors: 5,7,10 meters
5. Industrial socket on the kart: 63A or 125A
6. Connector holder that can fit the DC connectors and can be mounted on the wall or on the pedestal, or on the kart
7. Cable holder where to wrap the cables when they are not in use
8. Up to 2 modems for connecting to the OCPP backend and Nidec BYS (By Your Side) maintenance platform
9. Payment terminal
10. Stop button



## UPGRADABLE AT ANY TIME!

The customizable options allow you to add features and upgrades at any time, ensuring your solutions evolves with your needs

### Future-proof



The modular and industrial design enables **scalability** and **simple maintenance**, **future proofing** your investment.

### User friendly experience



Start and monitor your charging session with few taps. **The 12" touchscreen** ensure a **user-friendly experience**.

### Securing your connection



**Separated 4G modem and/or ethernet connection connections** for your OCPP backend and Nidec's platform to ensure that your data is **secure**.

### Reliability



Meticulously engineered using **high-quality** components and materials to ensure **long-lasting performance and reliability**.

### Empowering safety



Enhanced with multiple **safety** features: overvoltage, overcurrent, short-circuit protections and optional **emergency stop button**.

### Fast, Smart & Compact



**Fast** charge up to 60kW three vehicles simultaneously. The **smart** and **compact** solution that dynamically **shares the power** for optimal charging.

#### LIGHTWEIGHT POWER MODULES:

less that 15 kg. They can be easily replaced by one single person and no special tools are required

#### SIMPLE MAINTENANCE - CONVENIENT ACCESS:

all components are replaceable with ease.

#### MAXIMIZE THE UPTIME:

Keep the charger always online with the two independent modems and power modules.

#### CONNECT TO NIDEC BYS:

remotely manage, monitor and update your charger to have complete control.



# TECHNICAL DATA

		DC WALLBOX	DC PORTABLE
INPUT	Earthing systems	TT, TN	
	Input voltage	400VAC ( $\pm 10\%$ ), 50/60 Hz ( $\pm 5\%$ )	
	Input current	Up to 125A	Up to 125A or 63A
	Input power	Up to 86kVA	Up to 86 kVA or up to 44kVA
	Protections	Overcurrent, overvoltage Type I+II, integrated surge protection, overtemperature, ground fault including DC leakage protection (only for optional AC output)	
OUTPUT	Charge mode	Mode 4 for DC connectors and Mode 3 for AC connector	
	Number of outputs	2 DC + 1 optional AC	
	Cable length	5m (up to 10 meters on request)	
	DC Output power	Up to 60kW	Up to 60kW or Up to 40kW
	DC Output voltage	150 V to 1000 V	
	Output current	CCS up to 250A CHAdeMO up to 150A Type 2 up to 32A (optional)	
	Dynamic power sharing	The available power is shared between the DC connectors during charging	
	Efficiency	95% at full load	
INTERFACE	Connection	Ethernet, Modbus TCP, 3G/4G (optional)	
	User interface display	15.6" touchscreen and status LED lights	
	Authentication method	Free Vending Mode, RFID, App, Payment terminal with Pin pad (optional)	
	Protocol	OCPP 1.6J	
	Emergency stop button	Optional	
	Connection/service	Nidec By Your Side (BYS) for remote connection	
MECHANICAL	Product dimensions (HxWxD)	DC Wallbox: 1000x600x430 mm On pedestal: 1830x1130x470 mm	DC Portable : 1365 x 852 x 610 mm
	Weight	DC Wallbox: 125 kg with 60kW Wall mounting plate: 18 kg Pedestal: 62 kg	DC Wallbox: 125 kg with 60kW DC Portable kart: 35 kg
	Material	Corrosion-protected steel	
	Customization	Customizable with end user's colours and logos (optional)	
	Noise level	$\leq 65$ dB(A) at distance of 1 m at full power	
WORKING AND INSTALLATION CONDITIONS	Operating temperature	$-20^{\circ}\text{C}$ $+50^{\circ}\text{C}$ ( $-30^{\circ}\text{C}$ $+50^{\circ}\text{C}$ as option)	
	Installation type	Indoor and Outdoor	
	Installation type	Wall mounted or Pedestal mounted (optional)	
	Protection class	IP54	
	Protection against mechanical impact	IK10	
	Humidity	From 5% to 95% without condensing	
	Maximum operating altitude	2000 m	
STANDARDS	Standards	CE, UKCA, IEC 61851-1, IEC 61851-22, IEC 61851-23, IEC 61851-24, DIN 70121	
	Energy metering	Eichrecht/PTB compliant DC outlets	



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