For automotive OEM and Tier 1 laboratories and test facilities

Portable EV Charger

Bring charging to the test vehicle.

Do you move your test vehicle to a fixed charger just to recharge? Bring the charger on casters alongside the vehicle and connect it to a dedicated three-phase 200 V AC socket.



15 kW

Normal power

Boost power: 18 kW

150-500 V

Standard DC output

61 A

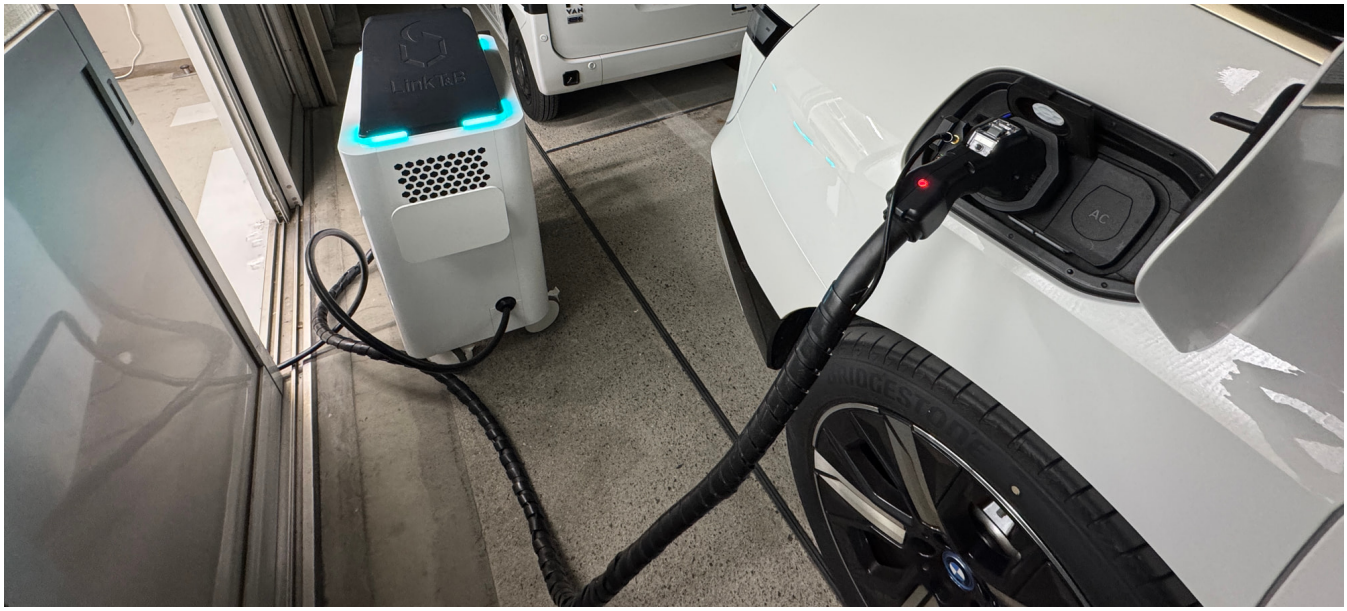
Rated output current

Indoor-only and indoor/outdoor models. Discuss development and evaluation use.

APPLICATIONS

Applications at your laboratory or test facility

Moving a vehicle with attached fixtures and instruments can make recharging difficult. Bring a portable EV charger alongside the vehicle and position it to suit your vehicle layout and test location.



Example connection to a test vehicle

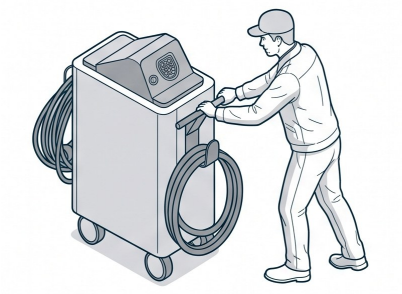
Laboratories and development bays	Charge between tests without moving a vehicle fitted with fixtures and measuring equipment. Place the charger alongside it.
Evaluation yards with multiple vehicles	Move the charger to the vehicle that needs charging. Use the indoor/outdoor model in outdoor areas.
Changing test locations	Move the charger when the test location changes. Stop charging, disconnect the cables and reconnect to a three-phase 200 V AC socket at the new location.

EVERYDAY CHARGING

Everyday charging

Bring the charger to the test location, then connect it to the power supply and vehicle.

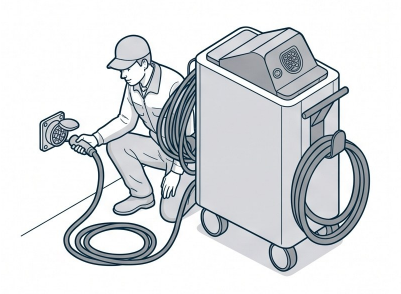
STEP 1



Move the charger to the test site

Disconnect the cables, then move the charger to the test site where charging is needed.

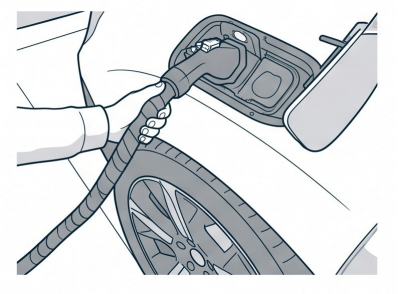
STEP 2



Connect to the power socket

Connect the supply cable from the rear of the charger to the American Denki socket.

STEP 3

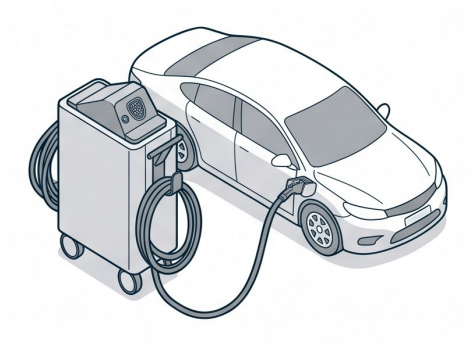


Connect to the vehicle inlet

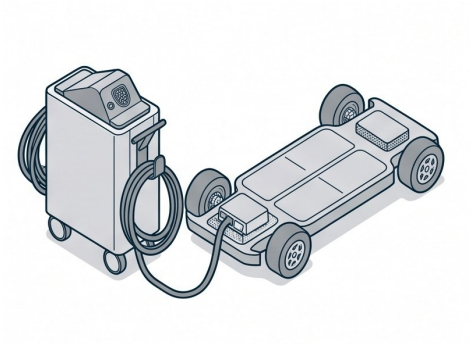
Connect the charging connector to the inlet of the EV or EV vehicle platform.

STEP 4

Charging starts automatically



Charging an EV



Charging an EV vehicle platform

One Charge Key identifies the connected vehicle and starts charging automatically.

One Charge Key manages and displays data by vehicle

Charging control (demand control)
Charging energy and cumulative charging energy
Voltage, current and charge completion time

Illustrative images

SETUP BEFORE FIRST USE

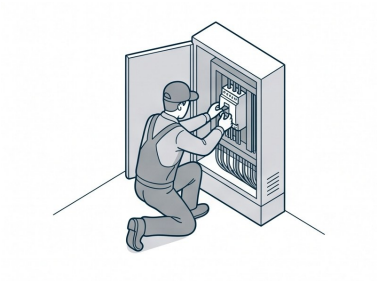
Setup before first use

Prepare the power supply and One Charge Key once. Then move the charger and connect it to the power supply and vehicle for daily use.

Prepare the electrical supply

Installation by an electrical contractor

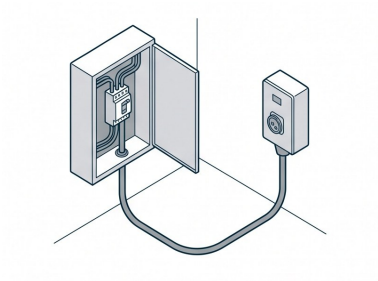
STEP 1



Install an earth-leakage breaker

Install an earth-leakage breaker in the three-phase 200 V AC distribution board.

STEP 2



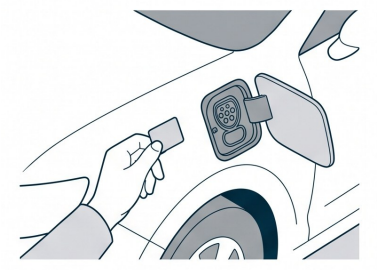
Install the box and power socket

Run a cable from the distribution board to a circuit-breaker box. Install an American Denki socket on the box.

Electrical supply ready

Prepare One Charge Key

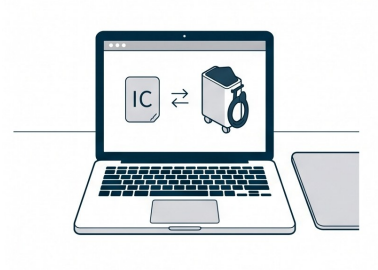
STEP 1



Attach the KeyIC sticker

Attach a KeyIC sticker beside the charging inlet of the EV or EV vehicle platform.

STEP 2



Register and link the KeyIC

Register the KeyIC number on the One Charge Key platform and link it to the charger.

One Charge Key ready

Illustrative images

ONE CHARGE KEY

Manage charging by vehicle with One Charge Key.

One Charge Key identifies a vehicle through the KeyIC sticker beside its charging inlet and manages charging status and history by vehicle. It can be used with the portable EV charger.



Example One Charge Key management screen

01	**See the vehicle and charger**	Check the identified vehicle, its connected charger and the registered charging location.
02	**View charging information**	Display available information such as state of charge (SOC), voltage, current and power.
03	**Keep charging records**	Review charging history by vehicle and charging energy calculated from recorded voltage and current.

ELECTRICAL SPECIFICATIONS

Models and common specifications

Two models are available: indoor-only and indoor/outdoor. Both share the electrical specifications below. Choose according to your test location.

Indoor-only

For indoor laboratories and vehicle development bays.

Indoor/outdoor

For indoor bays and outdoor evaluation yards.

Electrical specifications

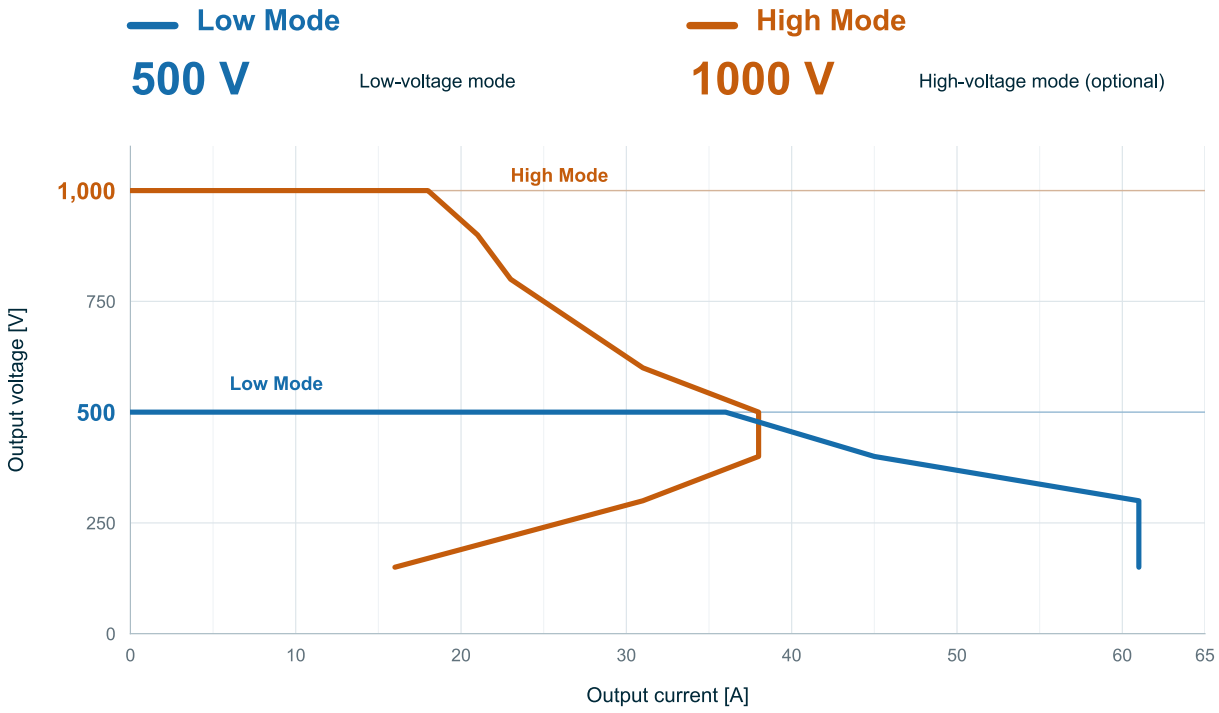
Input power supply	**200 V AC, three-phase**
Input frequency	**50 / 60 Hz**
Input connection	**Plug and socket (optional: terminal block)**
Output voltage (standard)	**150-500 V DC**
Maximum output power	**Normal: 15 kW / Boost: 18 kW**
Rated output current (standard)	**61 A**
High Mode (high voltage, 1000 V)	**Available as an option**
Charging function	**Charging only**

Charging and communication specifications

Charging system	**CHAdeMO 2.0.1**
Communication specifications	**Wi-Fi**
Optional connection	**Mobile carrier network**

OUTPUT CHARACTERISTICS / POWER CONNECTION

Output characteristics and power socket specifications



Low Mode / High Mode (optional)

Power supply receptacle

Manufacturer and model	**American Denki 41026EW**
Type and rating	**Grounding 3-pole, 100 A, 250 V; locking waterproof panel receptacle**
Conductor and termination	**38 mm²; crimp terminals**
Receptacle protection	**IP65 with 41022RW connected or waterproof cover fitted**

INTRODUCTION / ENGINEERING SUPPORT

Introduce a portable EV charger to your test facility.

Link T&B can propose a setup for your laboratory or test facility. Contact us if moving vehicles to charging equipment or recharging between tests is inconvenient. Start with one unit; we will discuss the connection arrangement, price and delivery timing.

Connect to a three-phase 200 V AC socket



Plug and socket connection is standard. Terminal block connection is available as an option.

Plug and socket connection

Connect to a dedicated three-phase 200 V AC socket. Bring the charger alongside the test vehicle and connect the charging cable to the vehicle.

Terminal block connection (optional)

A supply from a distribution board can also be connected to the charger through a terminal block.

Introduction for development and evaluation

Testing is still in progress. We explain the intended operating conditions and test status before arranging introduction for development and evaluation use.

Engineering support for related development and testing

We support power electronics development, design and evaluation. Depending on your needs, we can provide contract development, engineering support under quasi-mandate or SES arrangements, and technical advisory services.

Discuss a portable EV charger for your facility

linktab.jp / Contact → EV charging

Product page and how to use

https://linktab.jp/en/ev-lab.html