Do It Yourself Level 2 240-Volt 16 Amp EV Charging Station Electric Vehicle Nema Dual 5-15P Plugs To J1772 20230818



Model Number: 20230818

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Manufacturer: Clean Storm

Do It Yourself Level 2 240-Volt 16 Amp EV Charging Station Compatible With Toyota bZ4X Electric Vehicle Charger Car Nema Dual 5-15P Plugs To J1772
Do it yourself and Save $800 to $1500 by NOT hiring an electrician to install your charger. Average install time is less than five minutes!
Description
The EV Charge Solutions portable electric vehicle charger is a Level 2 station that delivers 16 amps (3.84kW) to your vehicle. This is a compact portable station that is an ideal solution for low-cost charging in your garage or to keep in the trunk of your EV for charging at work or on trips. The charging station features a control box with LEDs indicating the status of the charge. There is a description for each light pattern in the product photos above. The charger comes with a soft gel cap that covers the connector and keeps it from getting wet or dirty. The J1772 charger grip and power cord are water resistant for use in the rain. Please keep the charging box dry.
Works with all plug in hybrids and EV including but not limited to:
Audi A3 Sportback, Audi A3 e-Tron, BMW i3 REx, BMW E-Golf, BMW 330e, BMW 740e, BMW i8, BMW X5 xDrive40e, Cadillac ELR, Chevy Bolt EV, Chevy Volt, Chrysler Pacifica Hybrid, Citroen C-Zero, Fiat 500e, Ford Evos Hybrid, Ford Focus EV, Ford C-Max, Ford C-Max Energi, Honda Clarity, Hyundai Ioniq, Karma Fisker, Kia Soul EV, Mercedes-Benz C350e, Mercedes-Benz GLE550e, Mercedes-Bens S550e, Mercedes-Benz B-Class Electric Drive, and B250e, Mia Electric Car and Van, Mini Countryman, Mitsubishi Outlander PHEV, Mitsubishi-I Miev and Outlander Phev, Nissan NV200 SE Van, Nissan Leaf, Peugeot Ion and Galicia, Prosche Cayenne SE Hybrid, Porsche Panamera SE Hybrid, Smiths Edison Van and Newton, Subaru Crosstrek PHEV, Tata Indica Vist EV, Tesla Roadster, Tesla Model X, Tesla Model S 70D, Tesla Model S P85D, Toyota Prius Prime, Vauxhall Ampera, Volvo XC90, Toyota bZ4z, and many many more.
Features:

• JUST PLUG-IN AND CHARGE: Level 2 portable EV charger. Requires dual NEMA 5-15 receptacle socket.

• UNIVERSAL COMPATIBILITY: Charges every brand of EV on the market.

• FAST AND EASY: Charges 100% faster than your 120 volt Level 1 cord that came with the car. The means most cars drop from 20 hour charge to under 10 hours. (Total empty to total full)

• Features control box with LED charge status indicators.
• Rated current and voltage: 240V AC | 16 Amp (3840 watts) | UL Listed J1772 SAE connector

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- 15 lbs
- 12.8" X 13" X 12"
- Extra Long 7 Meter / 25 ft power cord.

Specifications

Voltage
240V

Amperage
16 Amp

Insulation resistance
1000MΩï¼ˆDC500V)

Terminal temperature rise
ï¼œ 50K

Withstand voltage
2000V

Min. Working Temp
-30°C

Max Working Temp
50°C

Charging plug meets SAE J1772 standards
Power plugs meet NEMA 5-20P standards
Control box meets SAE J1772 control principle
Excellent protection performance, protection grade IP55
No need to hire an electrician to move up to level 2 speeds.

Parameters
Mechanical life: no-load plug in/pull out> 10000 times
Drop Load: 1 Meter / 3.3 ft Impact of external force.

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Run Over Load: Tested that car can roll over charger nozzle 2 Times!

Materials
Case Material: Thermo plastic,flame retardant grade UL94-0
Contact Pin: Copper alloy, silver + thermo plastic on the top
Sealing gasket: rubber or silicon rubber

Control Box
Leakage protection(Restart recover)
Over-voltage under-voltage protection (self-checking recover)
Overload protection (self-checking recover)
Lightning and surge protection

One Year Warranty

*Requires dedicated dual 120 Volt 20 Amp circuit / NEMA 5-15R Receptacles.
Not every combination of 2 breakers works so you simply test with the momentary button to test the voltage. If you get a green light, you are all set. Every home, business, office, has the ability to make this work in the USA, Mexico, Canada, Colombia, and Japan! No electrician required. Inspect breaker box to make sure you have 20 amp breakers. Test the polarity with a polarity tester. Try two outlets if you do not get a green light, just relocate one of the power cords until the light turns green when you hold down the voltage tester.
Just relocate on extension cord until you get a green light. Does not work on GFCI or LCI outlets. Each power cord must be plugged into 2 different phases. Phase locator light on power supply box. If you have GFCI outlets, you will have to replacement with standard wall outlets before this charger will work.
Video

Pictures

Optional

Electrical Outlet Receptacle Polarity Tester 3 wire 120 volt 20100823

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Replaces both items below

Compatible with Toyota bZ4X
Electric Vehicle Charger EVSE 220-240v Level 2 Car Nema 6-20P Plug To J1772 EV Charging Station Duosida 20180613

Travel Power Supply Box
Power Joiner Level 2 Step Up Inverter Electric AC Converts Dual 20 amp 115 Volt outlets to 240 Volt 3 wire 20 amp Use [Reverse6-20R]

Additional Information
Understanding the differences between different types of electric charger cables.

PLEASE INSTALL A WHOLE HOME SURGE AND LIGHTNING ARRESTER PROTECTION TO PROTECT BOTH YOUR CHARGING CABLE AND THE CARS COMPUTER!
LIGHTNING STRIKES ARE NOT A MANUFACTURE DEFECT AND WILL NOT BE COVERED. In the photo to the right, the round item below the box, on the left is the lightning arrester, the rectangular item on the right is the surge protector. These can be installed under the main panel or in the panel (if you have room).
Photo shows lightning arrestor Delta LA302RG and Siemens FS140 whole home surge protector. It does not have to be these brands.

Tips: One customer wrote, "I plugged into different walls, not the same outlet, and it did not work."
Answer: This is incorrect step / understanding.
In order to have the power supply box work, it must be plugged into different phases.
There are two phases of power in every home.
Half of all the outlets are on left phase, and the other half is on right phase.
You must land on one of each phase in order for the power supply to work.
This means if I just randomly select two outlets in a home, I could be plugged into: two left side phases, 2 right side phases, or 1 of left + 1 right (correct use of power supply, depress phase locator button on the power supply box and will illuminate bright green on the phase locator light if you plugged in correctly.)
If you look at the breaker panel (photo to the right) and notice the column of

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breakers on the left side and then a column on the ride side.
The way a breaker box is wired is the top left breaker is left phase, the 2nd from the top left strait down the left column is right phase, 3rd down is left column is left phase, 4th down is right phase. These breakers alternate phase location all the way down each column.
The top right column of breakers works exactly the same way. You have to land on one left phase and and one right phase to make this item work. It is OK to have landed on a pair of outlets that is left and right side and each is positioned anywhere in the breaker panel.

Since this power supply box will not work with GFCI or LCI outlets you can also replace a GFCI outlet with a standard wall receptacle.
Optionally, if the two breakers you want to use are on the same phase, simply change the location of one of the two breakers to be in a different position in the column. This is very easy to do and only takes a screw driver (see video link below.)
Go outside and turn off the breaker and turn off the breaker that is labeled as ‘main.’ Go back to the garage and take off the garage panel cover. Grab the breaker you want to relocate and simply switch positions with another breaker either one up or one down in the column. You can change the location of the breaker or change the location of the wire in the breaker (your choice.) This will put the breaker on a different phase. Again, see video below on how to do this.
https://youtu.be/BG9I-PokSdI?si=m06267ZWR54Tiknu
and
https://youtu.be/IzTV9t7bnH8?si=p1lgRxxO5gsEvmub

Once you are on different phases, and press the momentary phase location button on your power supply box, the green light will be bright green telling you, you selected one left and one right phase and you are good to use this power supply box below the required amp draw of the wall outlets you plugged into.
https://www.walmart.com/ip/Home-Electric-Vehicle-Charger-EV-110-220Volt16A-3X-Faster-EVSEJ1772/650674603
$163.98
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Options available for Do It Yourself Level 2 240-Volt 16 Amp EV Charging Station Electric Vehicle Nema Dual 5-15P

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Extended Warranty

+ No Extended Warranty, 2 Additional Years Parts and On Site Labor (Items under $1000.00) [SBMW2-1000], 4 Additional Years Parts and On Site Labor (Items under $1000.00) [SBMW4-1000].

Shipping Surcharges

+ Signature Required On All Deliveries.

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Availability: This product was added to our catalog on Friday 18 August, 2023

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