

TOPDON®

US
ONLINE VERSION



PulseQ AC Home

Unlimited Power
Unlimited Versatility
Unlimited Potential

EMOBILITY

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PulseQ AC HOME

TOPDON's PulseQ is the first of TOPDON's EV charging stations. Offering versatility, adaptability, and smart technology to users, the PulseQ makes EV charging widely accessible. A SAE J1772 (Type 1) plug makes the PulseQ compatible with most American AC electric vehicles, eliminating most brand barriers to electric vehicle owners. The compact design and multiple mounting options save space in garages; mount the PulseQ outside to prevent taking up interior space. The charging station's interface can be accessed and adjusted through an app to set charging sessions during off-hours and to monitor the charging process.

A required NEMA14-50R outlet hookup for the PulseQ ensures high-performance vehicle charging.

Brief



Specs

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Features

Functional Description

Charging Mode:

APP-controlled & Plug and Play

Indicator Lights:

4 LED Lights: standby, charging, fault, and network



Temperature

Working Temperature:

-22 ~ 131°F (-30 ~ 55°C)

Storage Temperature:

-40 ~ 167°F (-40 ~ 75°C)

PulseQ APP

Electrical Specifications

AC Power Input/Output Voltage:

Level 2 AC-208-240V

Adjustable Current: 6-40A

Rated Frequency: 50/60Hz

Plug: NEMA 14-50P

Connector Type: SAE J1772 (Type 1) Plug



Parameters

Box Dimensions:

12.2 x 8.6 x 3.7 inches
(310 x 220 x 95 mm)

Standard Cable Length:

16.4 ft. (5 m)

Optional Cable Length:

24.6 ft. (7.5 m)

Weight:

15 lbs. (7 kg.)

Material

Enclosure:

PC + ASA

Cable:

PVC + Copper

What's In The Box?

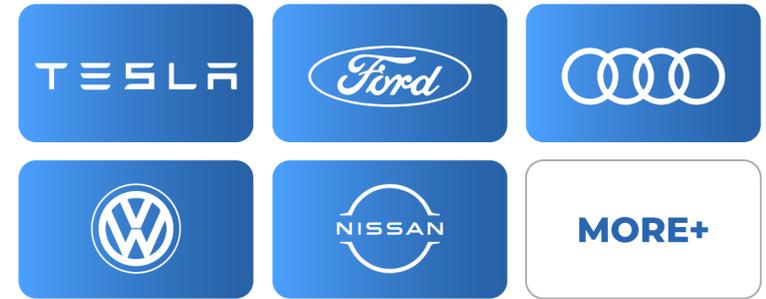
FAQs

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Expanded Compatibility With SAE J1772 (TYPE1) Connector

Using a standard J1772 connector, the PulseQ allows for wide compatibility with electric vehicles with American standard AC charging interfaces or plug-in hybrid vehicles.

Coverage includes Tesla (adapter needed), Ford, GM, Volkswagen, Nissan, Audi and more; perfect for users that own more than one electric vehicle.



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Level 2 Charger With UL Certification

The U.S spec PulseQ is a UL listed EV charger; meeting national safety standards with respect to design, performance, and installation.

Equipped with a NEMA 14-50 plug, this Level 2 240V home charger can work more efficiently than the level 1 charger as it will provide faster charging.



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Work Easier With Intuitive App

Using the PulseQ's compatible smartphone app; schedule charging times, check charging mileage and cost, get fully charged notifications and adjust the charging current.

With administrator permissions (the first registered user) the PulseQ can be operated by more than one person simultaneously.



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Plug-and-Play & App Control

The App controlled charging mode allows users to set charging times, adjust charging current, as well as track charging status. With Plug-and-Play mode, charging begins as you slot the charger into the vehicle; stop charging by pressing the button on the side of PulseQ, followed by pulling out the charging cable from the vehicle.

The smart design will automatically switch into Plug-and-Play mode and continue to charge your vehicles if the App loses connection with the charger.

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Compact Design & Easy Installation

Compact design and easy installation make the PulseQ a great option for those who want to install an electric vehicle charging station at home. Easily mount the charger on a wall or pole. The PulseQ can even be mounted outside.

If an NEMA14-50R outlet is installed and Wi-Fi connected, the charging station can be easily installed in 15 minutes.



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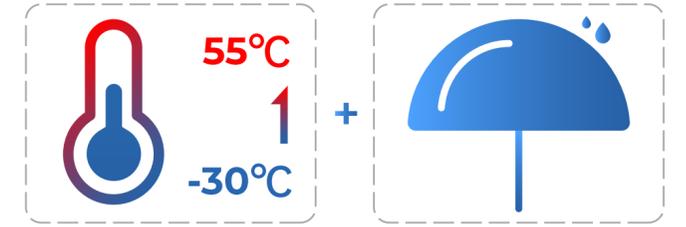
FAQ



Brief

Built To Last

Made with flame-retardant materials, this charging unit has the ability to operate in environments of -22°F to 131°F (-30°C to 55°C), and in 95% humidity. The PulseQ is packaged in a dust-proof and water-resistant case that's built to NEMA TYPE 4, suitable both for indoor and outdoor application, and backed by the TOPDON with a 3-year warranty. The connector operating life is up to 10000 times.



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Safety Above Everything

The PulseQ is equipped with multiple safety features to ensure safety under any circumstance.

Safety features include Under Voltage protection, Over Voltage protection, Overload protection, Over-Temp protection, Short Circuit protection, Ground protection, Earth Leakage protection (CCID 20), and Lightning protection.



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Rugged Charging Cable

The PulseQ EV Charger comes with a rugged charging cable made of PVC and copper, which can accommodate up to 40A. This 16.4 ft cable allows maximum flexibility in use (25ft extendable option). The charger can be saved in the socket when not in use, and you can coil the charging cable and hang it over the socket for storage.



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Smart Charging With PulseQ APP

1. Adjust Current Range From 6 to 40A. (1A Precision)
2. Schedule Charging Time During Off-peak to Save Money.
3. Check Electricity Gained and Miles Added.
4. Display Price Difference between Oil and Electricity.
5. View Charging History.

Using the intuitive application, PulseQ allows you to charge your vehicles effortlessly and smartly.

6. Get Fully-charged Notification.
7. Perform Charging Jobs Remotely.
8. Manage Multiple Chargers.
9. The Charger can Operated by More than One Person Simultaneously.

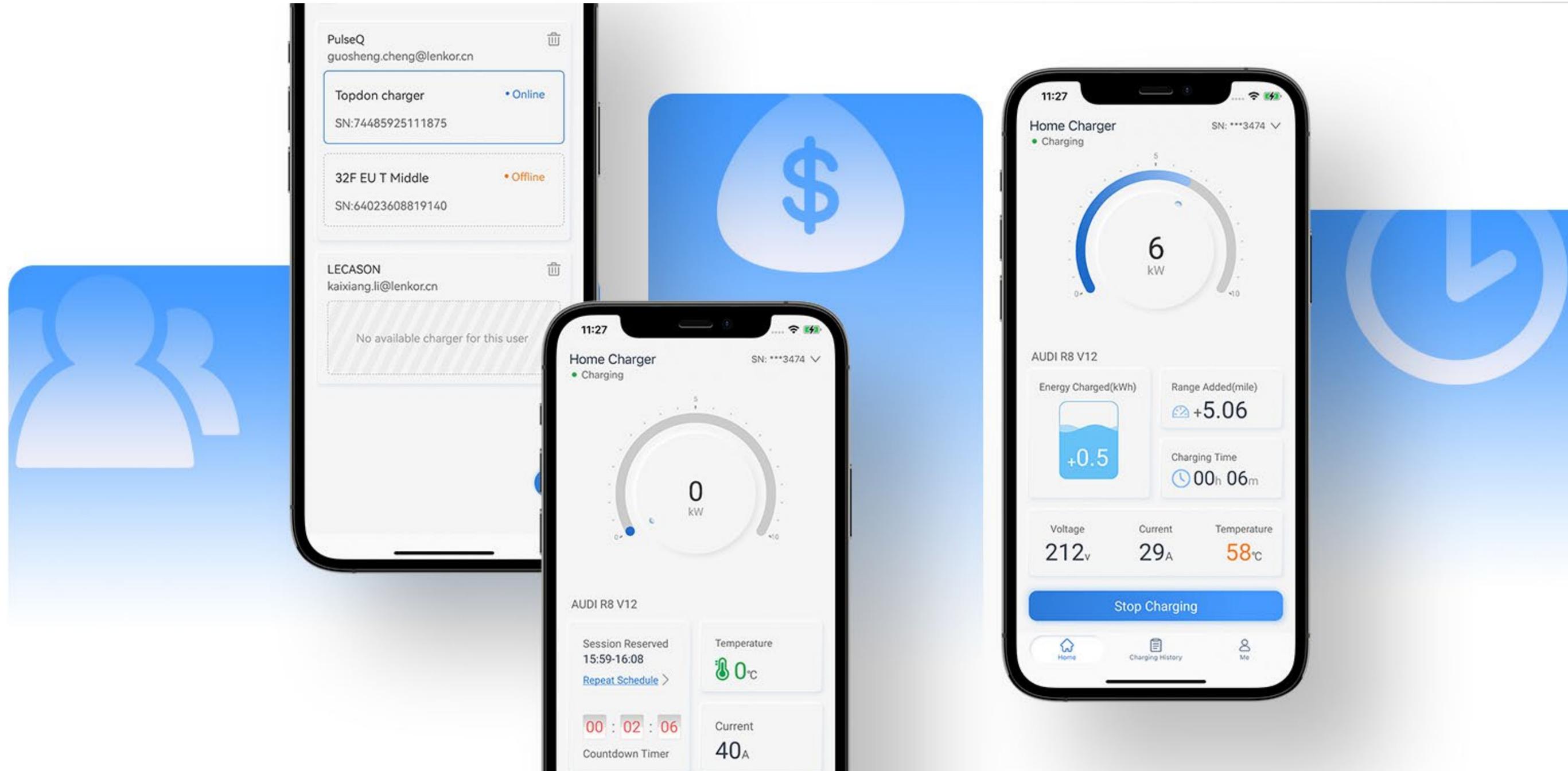
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What's In The Box?

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AC EV Charger



Charging Dock



User Manual



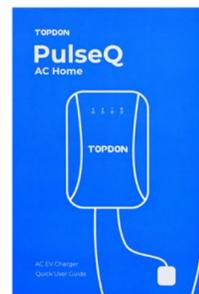
Quality Certificate



Features

PulseQ APP

Quick User Guide



Wall Installation Template



Charging Dock Installation Template



Wall-mounting Accessories



M5×40mm Expansion Bolt



M5×63mm Expansion Bolt



What's In The Box?

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Question

Can you program the charger to charge at specific times and to specific level?

Answer

Features

We can currently achieve charging within an agreed time range, such as starting at 6:00 and ending at 9:00. The functionality described this question is still in further development.

Question

PulseQ APP

Does it notify you when your car is fully charged?

Answer

What's In
The Box?

Yes, when the PulseQ finishes a charge the app will notify you via a notification.

FAQs

Brief



FAQs

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Question

Can I just plug it in, or do I have to go through an app?

Answer

Features

The app is required to set up the charger and set a maximum rate of charge. Once set up is complete, just plug the charger into the vehicle and let it charge on its own.

Question

PulseQ APP

Can you choose to charge at 110V or 240V vehicle?

Answer

What's In
The Box?

The voltage of this EV charger is 208/240V and the maximum current is 40A. The current is adjustable, but the voltage cannot be adjusted.

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Question

Is the Wi-Fi 5 ghz capable, or only 2.4 ghz?

Answer

Features

It is only compatible with 2.4 ghz frequencies due to its longer signal distance versus 5 ghz.

Question

PulseQ APP

Can I turn this on and off remotely from another location?

Answer

What's In
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Yes. The mobile app allows you to turn off/on charging, schedule charging, or exclude times for charging. It also provides you with other information about usage.

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Question

How many miles per charging hour?

Answer

Features

It depends on the amperage of the line going to the charger and the capabilities of your EV. Using a hardwired application on a 50amp circuit using the NEMA 14-50 plug will give you about 28 miles of range per hour. You can also set the app to show added mileage.

PulseQ APP

Question

Can I directly wire this charger to power, or does it have to be plugged in via outlet?

Answer

What's In
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The EV charger can be connected to the power supply through the plug or be wired directly to power.

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Question

Does this charger have to be installed inside or can it be outside? Will rain impact the charging unit?

Answer

Features

This EV charger has a NEMA 4 protection rating and can be installed outdoors without being eroded by rain. However, please note that a weatherproof cover should be installed between the N14-50 plug and socket.

Question

PulseQ APP

Will this unit work on 120V/60HZ?

Answer

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This unit only supports 240V

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Question

How many conductors will I need to run the unit?

Answer

240 volt requires two conductors. Wire size varies depending on breaker capacity.

Features

Question

Will this work on a 14-30 NEMA plug?

Answer

No, this comes with a 14-50 plug which is slightly different. You can however rewire the unit to use any 240V standard following the hard wire instructions. Or use an adaptor. It is recommended to have all this work done by a qualified electrician.

PulseQ APP

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