

TOPDON®

EU
VERSION



PulseQ AC Home

Unlimited Power
Unlimited Versatility
Unlimited Potential

EMOBILITY

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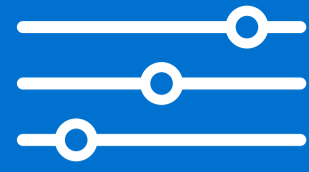
FAQs



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. The PulseQ is compatible with most European AC electric vehicles because of the IEC62196-2 Type 2 connector, 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.

Brief



Specs

Specs

Features

Functional Description

Charging Mode:

APP-controlled & Plug and Play & RFID Reader

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:

230VAC/400VAC

Power: 7KW/11KW/22KW

Adjustable Current: 6-32A

Rated Frequency: 50/60Hz

Connector Type: IEC 62196-2 Type 2 Plug



Parameters

Box Dimensions:

12.2 x 8.4 x 3.7 inches
(310 x 215 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

Protection Rate:

IP65 & IK10

What's In The Box?

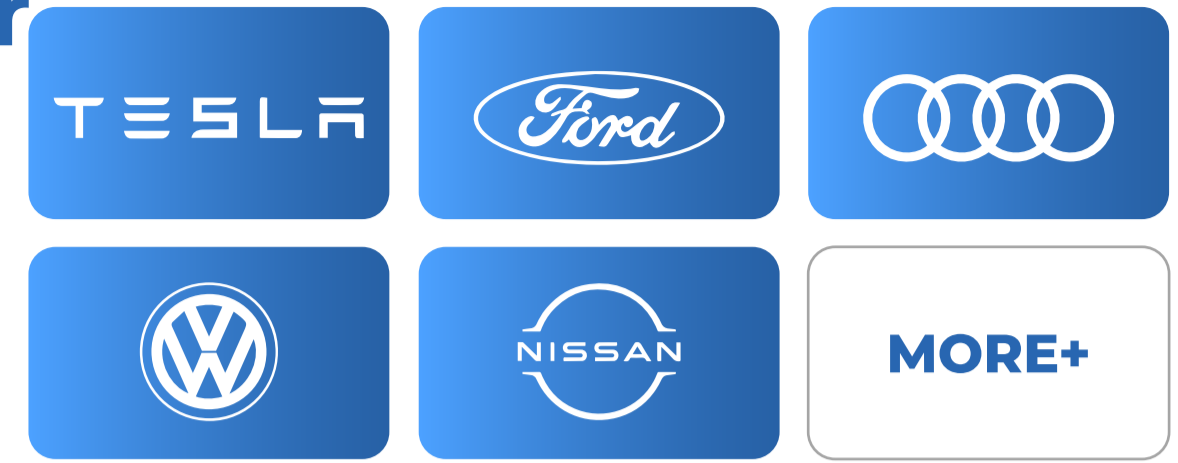
FAQs

Brief

Expanded Compatibility With IEC 62196-2 (TYPE2) Connector

Using a standard IEC62196-2 connector, the PulseQ allows for wide compatibility with most European AC electric vehicles.

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



Specs

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PulseQ APP

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Brief

Certified AC EV Charger

The EU spec PulseQ charger is safe and durable with CE-EMC, LVD, RED, and RoHS certifications. The PulseQ has also passed REACH testing, allowing you to charge your vehicles with peace of mind.

With 7KW, 11KW and 22KW optional, this charger can work more efficiently than the level 1 charger as it will provide faster charging.

Specs

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FAQs



Test Report

Report No. ESTC-221014015
Date: 17 Oct 2022
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TOPDON TECHNOLOGY CO., Ltd.
Unit 2005 20/F, No. 3040 Xinghai Avenue, Qianhai Shimao Tower,
Qianhai Shenzhen-Hong Kong Cooperation Zone, Shenzhen, P. R. China

15 Jun 2022
15 Jun 2022 to 30 Jun 2022
AC EV Charging Station

PulseQ AC Home_22K_EU, PulseQ AC Home_11K_EU,
PulseQ AC Home_7K_EU, PulseQ AC Home_3K_EU,
PulseQ AC Home_3K_S_EU, PulseQ AC Home_7K_S_EU,
PulseQ AC Home_11K_S_EU, PulseQ AC Home_22K_S_EU

Sichuan Weiyu Electric Co., Ltd.
The Northeast Corner of Minshan Road and Tunenjiang Road, Economic
and Technological Development Zone, Deyang, Sichuan, China.

TOPDON

SUMMARY OF TEST RESULTS

| | CONCLUSION | REMARK |
|--|------------|--------|
| 2011/65/EU on the Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS) | PASS | - |
| 2011/65/EU on the Restriction of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its 2015/863 Annex II | PASS | - |

EST TECHNOLOGY CO., LTD.

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CERTIFICADO DE EXAMEN UE DE TIPO
EU-TYPE EXAMINATION CERTIFICATE



No. 0370-RED-5524

| | | |
|--|---|---|
| EMITIDO POR / ISSUED BY | LGAJ TECHNOLOGICAL CENTER - No. 0370 (APPLUS) | |
| SOLICITANTE / APPLICANT | TOPDON TECHNOLOGY Co., Ltd | |
| FABRICANTE (Nombre, Dirección) / MANUFACTURER (Name, Address) | TOPDON TECHNOLOGY Co., Ltd Unit 2005 20/F, No.3040 Xinghai Avenue, Qianhai Shimao Tower, Qianhai Shenzhen-Hong Kong Cooperation Zone, Shenzhen, P.R.China | |
| COMERCIALIZADO POR (marca) / COMMERCIALIZED BY (Brand) | TOPDON | |
| PRODUCTO / PRODUCT | AC EV Charging Station | |
| TIPOS / TYPES | PulseQ AC Home_22K_EU, PulseQ AC Home_11K_EU, PulseQ AC Home_7K_EU, PulseQ AC Home_3K_EU, PulseQ AC Home_3K_S_EU, PulseQ AC Home_7K_S_EU, PulseQ AC Home_11K_S_EU, PulseQ AC Home_22K_S_EU | |
| Versión HW / FMW / HW / FMW version | SW: V1.0 HW: V1.0 | |
| DIRECTIVA APLICABLE / APPLICABLE DIRECTIVE | DIRECTIVA 2014/53/UE DEL PARLAMENTO EUROPEO Y DEL CONSEJO, DE 16 DE ABRIL DE 2014, RELATIVA A LA ARMONIZACIÓN DE LAS LEGISLACIONES DE LOS ESTADOS MIEMBROS SOBRE LA COMERCIALIZACIÓN DE EQUIPOS RADIOELÉCTRICOS DIRECTIVE 2014/53/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 16 APRIL 2014 ON THE HARMONIZATION OF THE LAWS OF THE MEMBER STATES RELATING TO THE MARKING AVAILABLE ON THE MARKET OF RADIO EQUIPMENT | |
| DESCRIPCIÓN / DESCRIPTION | The device is an AC EV Charging Station with 2.4G WLAN and RFID 13.56MHz. | |
| CUMPLE CON LOS REQUISITOS ESENCIALES / MEET ESSENTIAL REQUIREMENTS | Art.3.1a Salud y Seguridad / Art.3.1a Health & Safety <input checked="" type="checkbox"/> | Art.3.2 Uso eficiente del espectro radioeléctrico / Art.3.2 Efficient use of Radio spectrum <input checked="" type="checkbox"/> |
| | Art.3.1b EMC / Art.3.1b EMC <input checked="" type="checkbox"/> | Art.3.3 Características especiales / Art.3.3 Special characteristics <input type="checkbox"/> |

Este documento carece de validez sin su anexo, cuyo número coincide con el del presente certificado. // This document is not valid without its technical annex, whose number coincides with the number of the certificate.

La evaluación de la documentación técnica entregada se encuentra recogida en el expediente técnico número: 22/36404217
The evaluation of the technical documentation delivered is included in the technical file number: 22/36404217

Restricciones (si aplican) / Restriktions (if apply): N/A

Belatana, 28 de septiembre de 2022 // 28th September 2022



José Luis Medina
Director
Electrical & Electronics - Spain

Este Certificado es válido mientras no se produzcan cambios en el estado de la técnica que indiquen que el equipo radioeléctrico aprobado ya no puede cumplir los requisitos esenciales de la Directiva 2014/53/UE y no haya modificaciones en el tipo aprobado que puedan afectar a la conformidad con los requisitos esenciales de la Directiva 2014/53/UE.
This Certificate is valid as long as there are no changes in the prior art indicating that the approved radio equipment can no longer meet the essential requirements of Directive 2014/53/EU and there are no modifications of the approved type that may affect the accordance with the essential requirements of Directive 2014/53/EU.

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LGAJ TECHNOLOGICAL CENTER, S.A. CIF: A-62027962

CS28850_A3_86.6

Brief

Work Easier With The 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.



Specs

Features

PulseQ APP

What's In The Box?

FAQs



Brief

Plug-and-Play & App Control & RFID Reader

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.

Easily start or cease charging on the PulseQ with an optional RFID card. Simply swipe your RFID card to the device to initiate the charging process; swipe the card again to stop charging.

Specs

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PulseQ APP

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Brief

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 Wi-Fi connected, the charging station can be easily installed in 30 minutes.



Specs

Features

PulseQ APP

What's In
The Box?

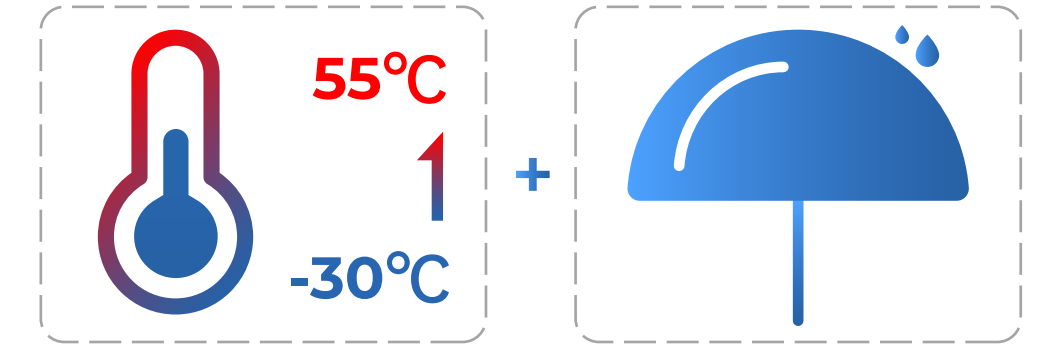
FAQ



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 with IP65 and IK10 protection rate, 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 uses.



Specs

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PulseQ APP

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Brief

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 (DC 6ma + Type A), and Lightning protection.



Specs

Features

PulseQ APP

What's In
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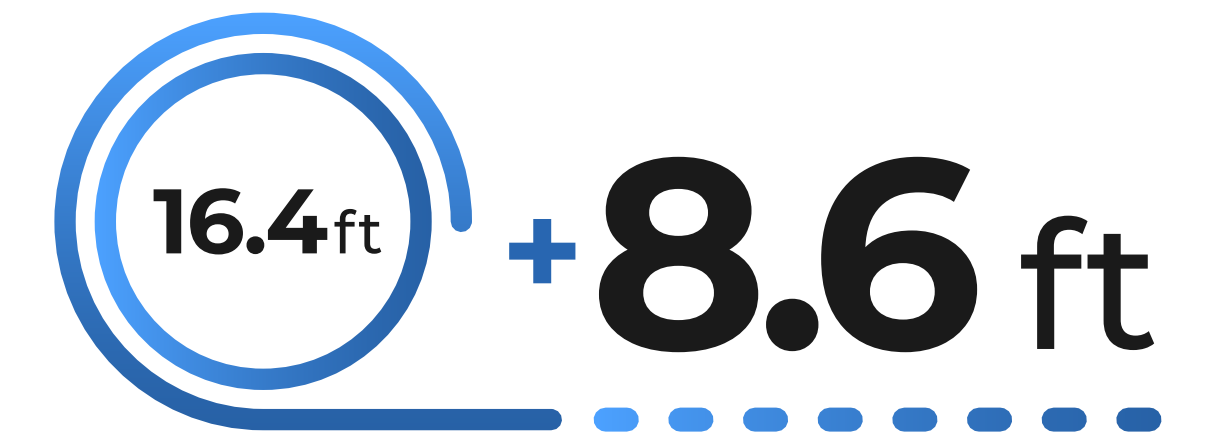


Brief

Rugged Charging Cable

The PulseQ EV Charger comes with a rugged charging cable made of PVC and copper, which can accommodate up to 32A. 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 charging dock for storage.

Specs



Features

PulseQ APP

What's In
The Box?

FAQs



Brief

Smart Charging With PulseQ APP

1. Adjust Current Range From 6 to 32A. (1A Precision)
2. Schedule Charging Time During Off-peak hours 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, the PulseQ allows you to charge your vehicles effortlessly.

6. Get Notified when the Vehicle is Fully Charged.
7. Perform Charging Jobs Remotely.
8. Manage Multiple Chargers.
9. The Charger can be Operated by More than One Person Simultaneously.

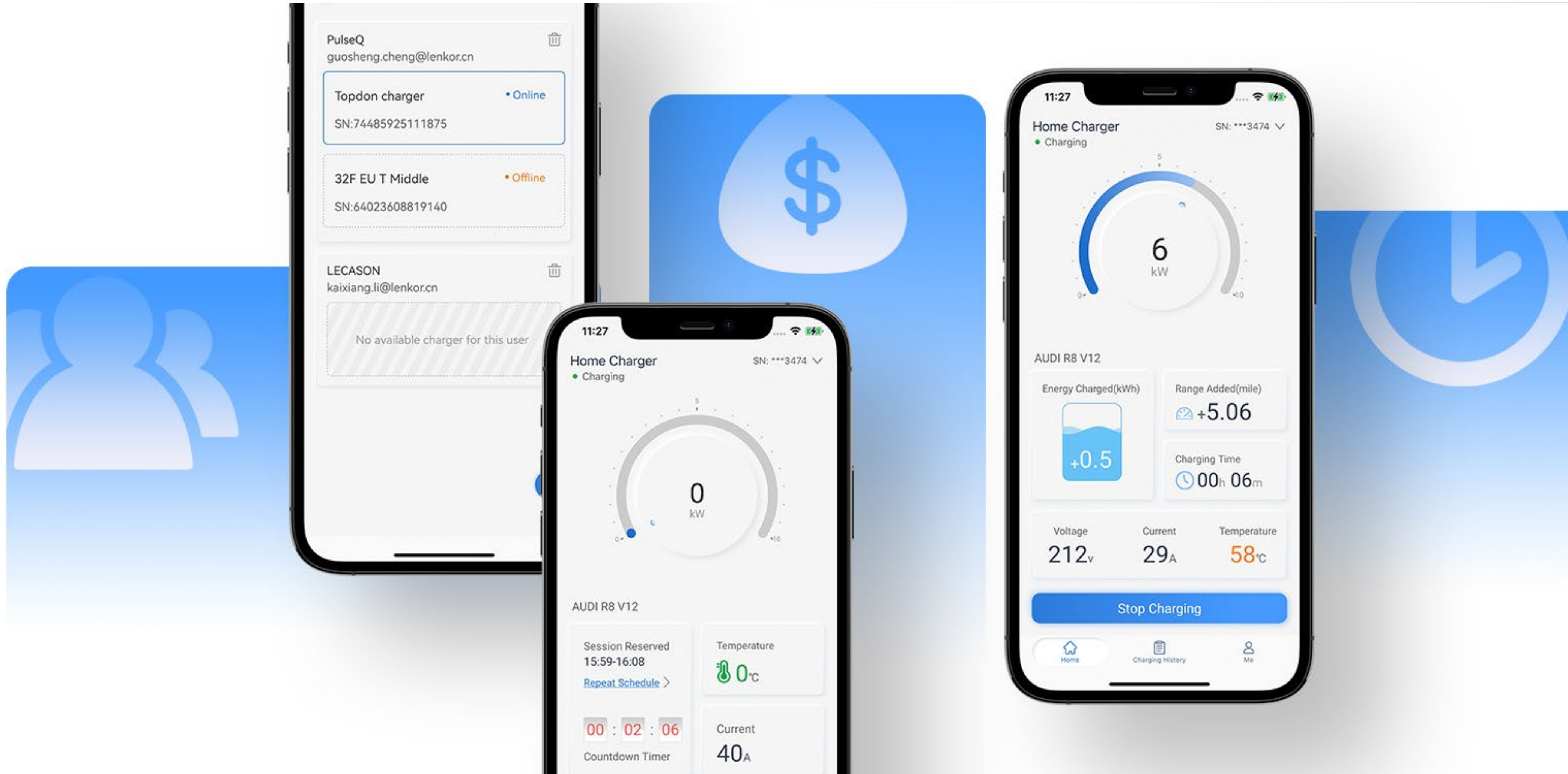
Specs

Features

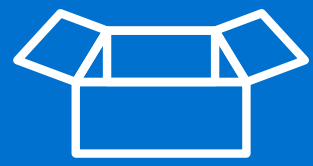
PulseQ APP

What's In The Box?

FAQs



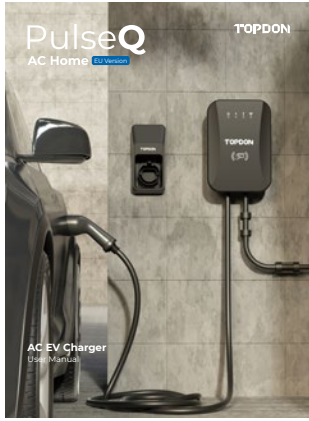

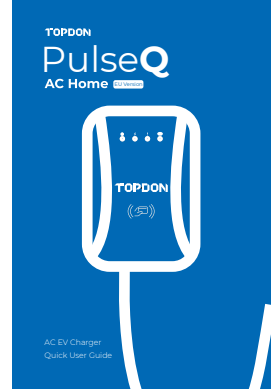
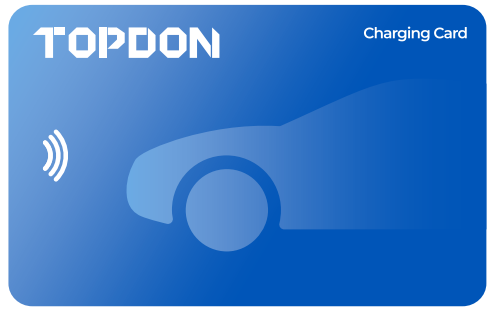
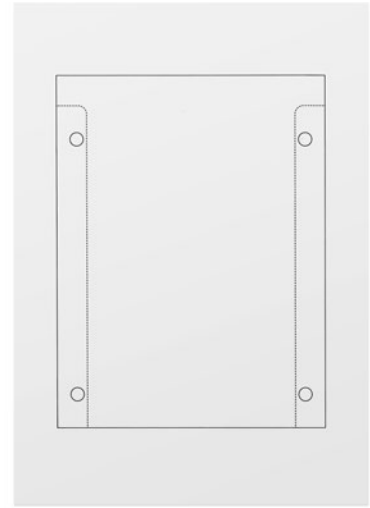
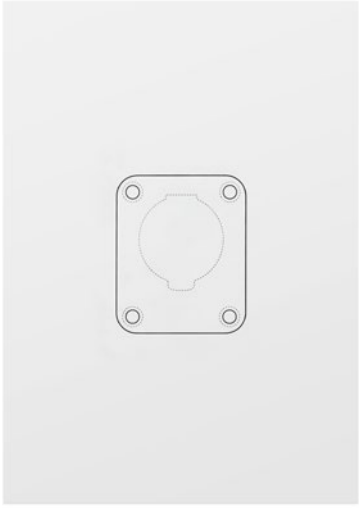





Brief



What's In The Box?

Specs

| | | | | |
|---|--|---|---|---|
| <p>AC EV Charger</p>  | <p>Charging Dock</p>  | <p>User Manual</p>  | <p>Quality Certificate</p>  | <p>Quick User Guide</p>  |
| <p>IC Card</p>  | <p>Wall Installation Template</p>  | <p>Charging Dock Installation Template</p>  | <p>Wall-mounting Accessories</p>  | <p>M5×40mm Expansion Bolts</p>  <p>M5×63mm Expansion Bolts</p>  |

Features

PulseQ APP

What's In The Box?

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Brief



FAQs

Specs

Question

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

Answer

Features

We can currently achieve charging within an agreed time range, such as starting at 6:00 and ending at 9:00. We are developing the tool's charging customization, and will release the update at a later date.

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.

FAQs

Brief



FAQs

Specs

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 230V vehicle?

Answer

What's In
The Box?

The voltage of this EV charger is 230/400V and the maximum current is 32A. The current is adjustable, but the voltage cannot be adjusted.

FAQs

Brief



FAQs

Specs

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 the PulseQ on and off remotely from another location?

Answer

What's In
The Box?

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

FAQs

Brief



FAQs

Specs

Question

How many miles will my car gain 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 will give you about 21 miles of range per hour in 7.4 KW, 32 miles in 11KW and 64 miles in 22KW. You can also set the app to show added mileage.

PulseQ APP

Question

What are the minimum and maximum currents supported?

Answer

What's In
The Box?

6A, 32A

FAQs

Brief



FAQs

Specs

Question

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

Answer

Features

This EV charger has a IP65 protection rating and can be installed outdoors without being eroded by rain.

Question

PulseQ APP

Will this unit only work on 230V?

Answer

What's In
The Box?

This unit supports 230V or 400V.

FAQs

Brief



FAQs

Specs

Question

How many conductors will I need to run the unit?

Answer

Features

230 volt requires two conductors and 400 volt requires three conductors. Wire size varies depending on breaker capacity. Consult your electrician before installation.

PulseQ APP

What's In
The Box?

FAQs



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