

V2 Power Portable EV Charging Station



IMECAR
FOCUS ON GREEN TECHNOLOGY

Areas of Use

Vehicle-to-Vehicle Charging (V2V)

Enables power transfer of up to 40 kW from socket A to socket B. Offers fast charging capability with an 120 A current capacity.

Grid to Vehicle Charging (G2V)

Charges the battery by transferring energy from the grid to the vehicle. Can operate with a maximum input voltage of 460VAC.

Vehicle to Home (V2H)

Can be used as a power source in emergencies or power outages by supplying grid energy from the electric vehicle.

Home and Site

Roadside Stations

Commercial Businesses

Parking Lots and Shopping Malls

Specifications

The Charging Station is a versatile system capable of transferring energy from vehicle to vehicle (V2V), grid to vehicle (G2V), and vehicle to home (V2H). Developed by IMECAR, this station offers a reliable and flexible charging solution with 40 kW power transfer, 120 A current capacity, and an input voltage of up to 460V.
It enables energy transfer in different scenarios with its A Socket (Power Supply) and B Socket (Power Receiver), while its user-friendly interface ensures ease of operation.
Additionally, the optional 220V output can be used as an extra power source for external devices.

User-Friendly Experience
You can easily monitor charging processes with the 10-inch touchscreen. Its simple interface offers drivers a practical and seamless experience.

Flexible Connection Options
Thanks to Ethernet, Wi-Fi, and CAN support, it offers easy management and integration for both users and operators.

Safe Charging Anywhere
The V2 Power charging station charges your electric vehicles quickly and safely with its powerful output of up to 40 kW. Its compact design and mobile installation feature make it easy to use in different locations.

Powerful and Durable
Operates reliably in temperatures ranging from -22°F to +122°F. Its robust construction ensures uninterrupted service even in harsh weather conditions.

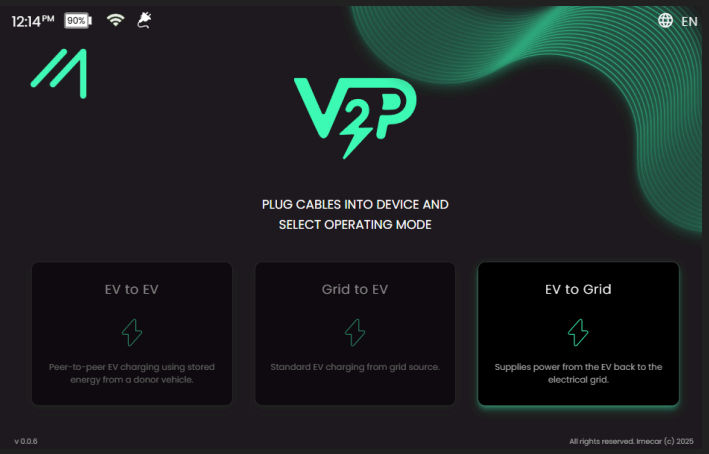
Compatible with Every Vehicle
With its CCS1, CCS2, and NACS standard socket design, it seamlessly integrates with electric vehicles of different brands and models.

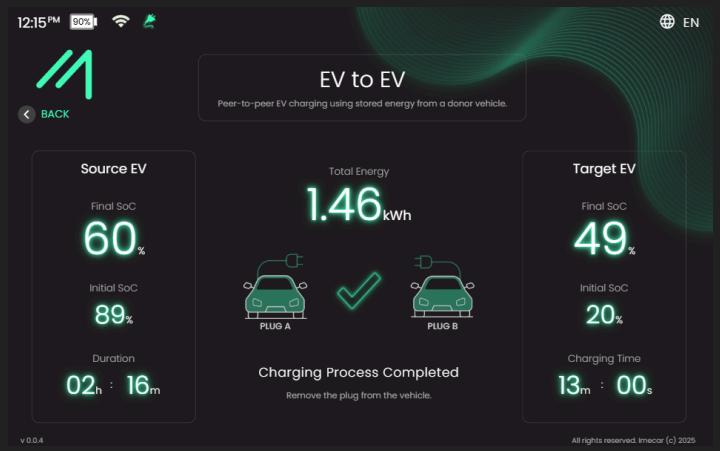
Energy Management Advantage
Provides efficient charging with smart energy management, optimizing energy costs for businesses.

Two Socket Advantages
A Socket (Power Supply Side): It is the power source and acts as the power-transmitting side.
B Socket (Power Receiving Side): It is the power-receiving side and transmits power to the connected device/vehicle.

User Panel

Designed to power the future of electric vehicles. V2 Power is with you wherever energy is needed, with its high performance and user-friendly design.



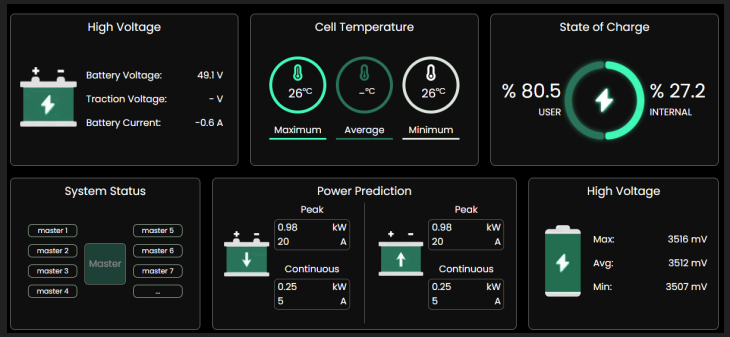


Suitable for Every User

Even users unfamiliar with technology can easily start charging and monitor the process. The intuitive interface emphasizes ease of use.

Easy to Track

Charge status, remaining time, and power information are clearly displayed on the screen. The user can instantly see when their vehicle will be ready.



Touchscreen Convenience

The 10-inch wide touchscreen lets you see the charging process at a glance. Its simple menu structure makes it easy for anyone to use.

Fast Processing, Seamless Experience

Time is precious for drivers. V2 Power minimizes wait times with fast processing steps, allowing you to start charging with just a few taps.

Technical Specifications

AC INPUT	
Input Voltage Range Line to Line	180-460 VAC
AC Frequency	47-63 Hz
Power	30 kW
Max Current	58A
Power Factor	0.98 (Nom)
Standby Power Consumption	200W @68°F

AC OUTPUT	
Output Voltage Range Line to Line	180-460 VAC
L1-N , L2-N , L3-N	120-265 VAC
Frequency	47-63 Hz
Max. Output Power	30 kW
Max Current	44A

DC INPUT	
Input Power	40 kW
Max Current	120A 60S
Input Voltage	200-420VDC I 350-850VDC
Socket Type	CCS1-CCS2-NACS

DC OUTPUT	
Max. Output Power	40 kW
Max Current	120A 60S
Output Voltage Range	150 VDC- 1000 VDC
Socket Type	CCS1-CCS2-NACS

MECHANICAL SPECIFICATIONS	
Overall Dimensions (LxWxH)	25.35 × 20.69 × 19.84 in
Weight	187 ± 11 lb
Operating Temperature	-22°F ~ 122°F
Relative Humidity	5%~95% (non-condensing)

COMMUNICATION / PAYMENT	
Connection Types	Ethernet / CAN
Network Connection	Wi-Fi
Communication Protocol	OCPP V1.6 (Optional)
Display	10-inch Touchscreen

Fast charging capacity

Safe usage

Resistance to harsh conditions

Easy interface

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