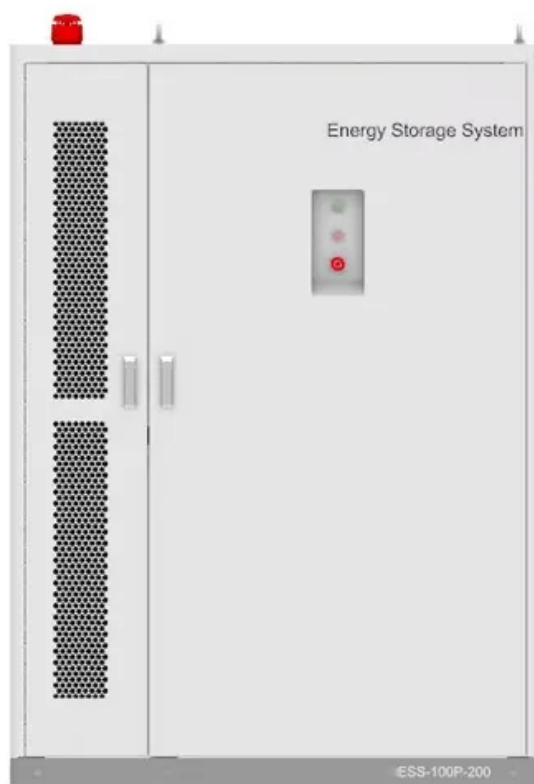


# 12 amp electric car charge rate



## Overview

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A Level 1 EV charger uses a 120-volt AC outlet and typically draws 12 to 16 amps, delivering 1.9 kilowatts (kW) of charging power. This amperage adds about 2 to 5 miles of range per hour, making it the slowest but most accessible home charging option. The EV charger's amperage (measured in Amps or A) is an EV charger specification that indicates the amount of electrical current an EV charger can supply to your electric vehicle. In simple terms, the higher the amperage, the faster your EV can charge, provided your electric vehicle's onboard limits, and state of charge matter too. Keep these factors straight and you'll pick the right setup for your needs — starting with what actually sets the power. However, it's important to recognize your vehicle's capabilities and your needs.

## 12 amp electric car charge rate

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### [Your Guide to EV Charger Amperage](#)

A Level 1 EV charger uses a 120-volt AC outlet and typically draws 12 to 16 amps, delivering 1.4 to 1.9 kilowatts (kW) of charging power. This amperage adds about 2 to 5 miles of ...

### [Plug-in Electric Vehicle Charging: The Details , US EPA](#)

What does it mean when some chargers list amperage (amp) and some list kilowatts (kW)? How do I pay to charge my PEV? Can I get reimbursed for installing a charger at home or at ...



### [EV Charging Levels Explained for the New or Future EV Owner](#)

Plan on seeing your EV add around two to four miles of range per hour, depending on the efficiency of your specific battery-powered car, truck, or SUV. This type of charging is much slower ...



### [Understanding Electric Vehicle Amperage and EV ...](#)

Level 1 charging, which uses a standard 120V outlet, typically provides a flow rate of 12 to 16 amps.



### [How Many Amps Do You Need for an Electric Car Charger?](#)

Calculate the exact amperage needed for fast, safe EV home charging. Learn the three key limiting factors for your system.



### [EV Charging Speeds Explained: Kw, Amps, and Voltage \(2025-2026\)](#)

Although your EV's advertised charging rate matters, the battery's state of charge, its temperature, and whether the pack's been preconditioned usually determine the power you actually ...



### [EV Home Charging Calculator , Electric Vehicle Charging Cost & Time](#)

Calculate electric vehicle charging costs, charging time, and electrical requirements for home EV charging installations. Compare Level 1 (120V) and Level 2 (240V) charging options, find monthly ...



### [Your Guide to EV Charger Amperage , Omerit](#)

In this article, we'll take a closer look at vehicle and charger amperage to explore and understand your EV's charging process, plus how to match your EV charger's capabilities to your EV ...



### [How Many Amps To Charge An Electric Car](#)

Level 1 charging uses a standard 120V AC outlet. The amperage is typically limited to 12A or 15A, depending on the circuit's breaker rating. This provides a slow charging rate, adding ...



### [Electric Vehicle Charging Explained: Level 1, 2, and DC Fast Charging](#)

As mentioned, those charging speeds are very slow, equaling 880 watts per hour (0.88 kWh) for the 8-amp rate, or 1.32 kWh for the 12-amp speed. In a car like the Chevrolet Bolt EUV, a full



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