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› bokman Portable Level 2 & Level 1 EV Charger (240V, 40A) Instruction Manual

bokman BKL24025

bokman Portable Level 2 & Level 1 EV Charger Instruction Manual

Model: BKL24025

INTRODUCTION

Thank you for choosing the bokman Portable Level 2 & Level 1 EV Charger. This charger is designed for convenience and efficiency, offering both Level 1 (120V) and Level 2 (240V) charging capabilities. It features a durable 25-foot cable, a NEMA 14-50 plug for Level 2 charging, and a NEMA 5-15 adapter for standard household outlets (Level 1). The charger includes adjustable current settings, a delay timer, and multiple safety protections to ensure a reliable charging experience.

Package List



Image: Package Contents. This image displays the complete package contents, including the main charger unit, the NEMA 5-15 adapter, a storage bag, wall mount, and user manual.

SETUP

The bokman EV Charger offers flexible setup options for both Level 1 and Level 2 charging. Ensure your electrical outlet matches the required NEMA plug type before connecting.

1. Level 2 Charging (240V)

For Level 2 charging, use the fixed NEMA 14-50 plug. This requires a dedicated NEMA 14-50 outlet. Plug the charger directly into this outlet. The charger can be mounted to a wall using the provided mounting bracket for a more permanent setup.

2. Level 1 Charging (120V)

For Level 1 charging, attach the NEMA 5-15 adapter to the charger's NEMA 14-50 plug. Then, plug the NEMA 5-15 adapter into a standard 3-prong household outlet (NEMA 5-15 receptacle).



Image: Dual Charging Mode. This image illustrates the two charging modes: Level 2 using the NEMA 14-50 plug and Level 1 using the NEMA 5-15 adapter with a standard household outlet.

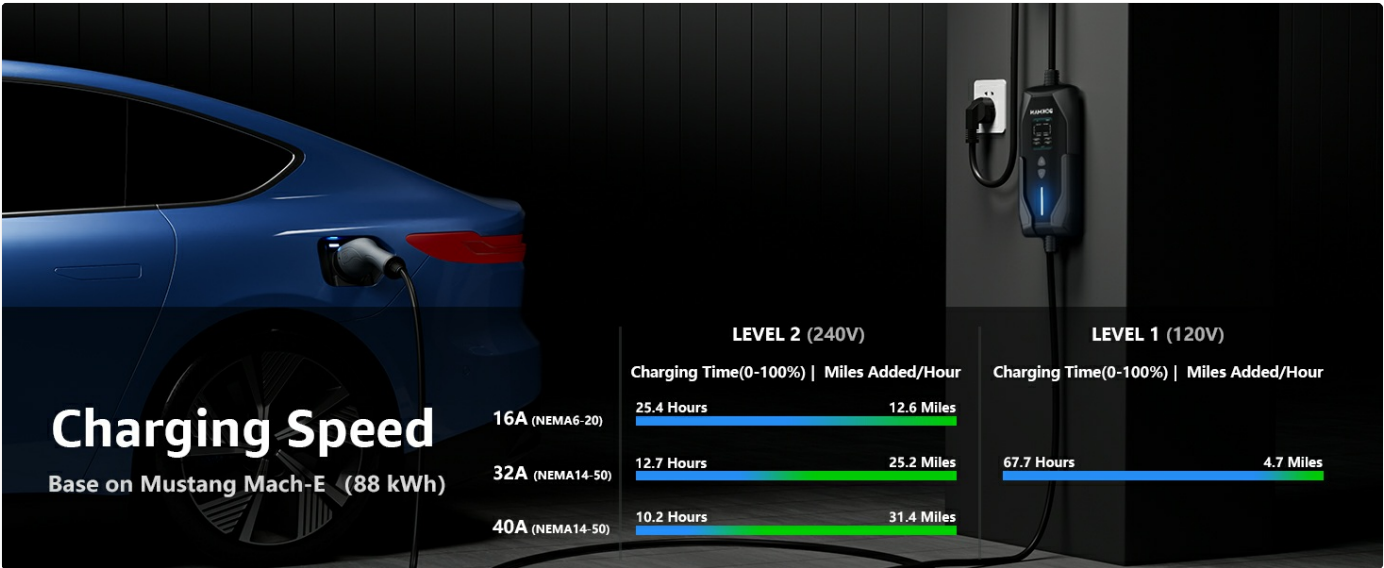


Image: Wall Mounted Charger. The charger unit is shown mounted on a wall, demonstrating a typical installation for convenient access.

Video: Unboxing and Setup Overview. This video provides a visual guide to unboxing the bokman EV charger, showcasing its components, and demonstrating initial setup steps, including the use of the NEMA 5-15 adapter.

OPERATING INSTRUCTIONS

The bokman EV Charger is designed for user-friendly operation with intuitive physical buttons and a clear LCD display.

1. Adjustable Current Settings

The charger allows you to adjust the current to match your circuit capacity for safe and optimal charging:

- **Level 1:** Switch between 6A, 8A, 10A, and 12A.
- **Level 2:** Switch between 6A, 8A, 10A, 12A, 16A, 24A, 32A, and 40A.

Use the physical buttons on the charger to cycle through these options.

2. Delay Charging with Timer

Utilize the built-in timer to delay the start of your charging session for 1 to 12 hours. This feature is ideal for taking advantage of lower electricity prices during off-peak hours. Simply set the desired delay using the physical buttons.

3. LCD Display and Physical Buttons

The charger features an LCD screen that displays important charging information, including selected current, charged capacity, temperature, charging voltage, charging timer, charging power, and charging current. The tactile physical buttons ensure reliable operation in various weather conditions, unlike touchscreens.

Dual Charging Mode

7.5X Faster Charging

Use **NEMA 14-50** as Level 2
40A/9.60kW Max

Level 2



Home Standard Outlet

Use **NEMA 5-15** adapter as Level 1
12A/1.44kW Max

Level 1



Image: Wall Box Introduction. This image highlights the LCD display showing charging status and the physical buttons for current and timer adjustments.

Physical Buttons, Perfect Response

No More Unresponsive Touch Glitches



Touch buttons struggle with misclicks, water splashes and low-light failure

Image: Physical Buttons, Perfect Response. A close-up view of the charger's physical buttons, emphasizing their tactile feedback and reliability.

Power Up for Less

Delay to **OFF-PEAK**

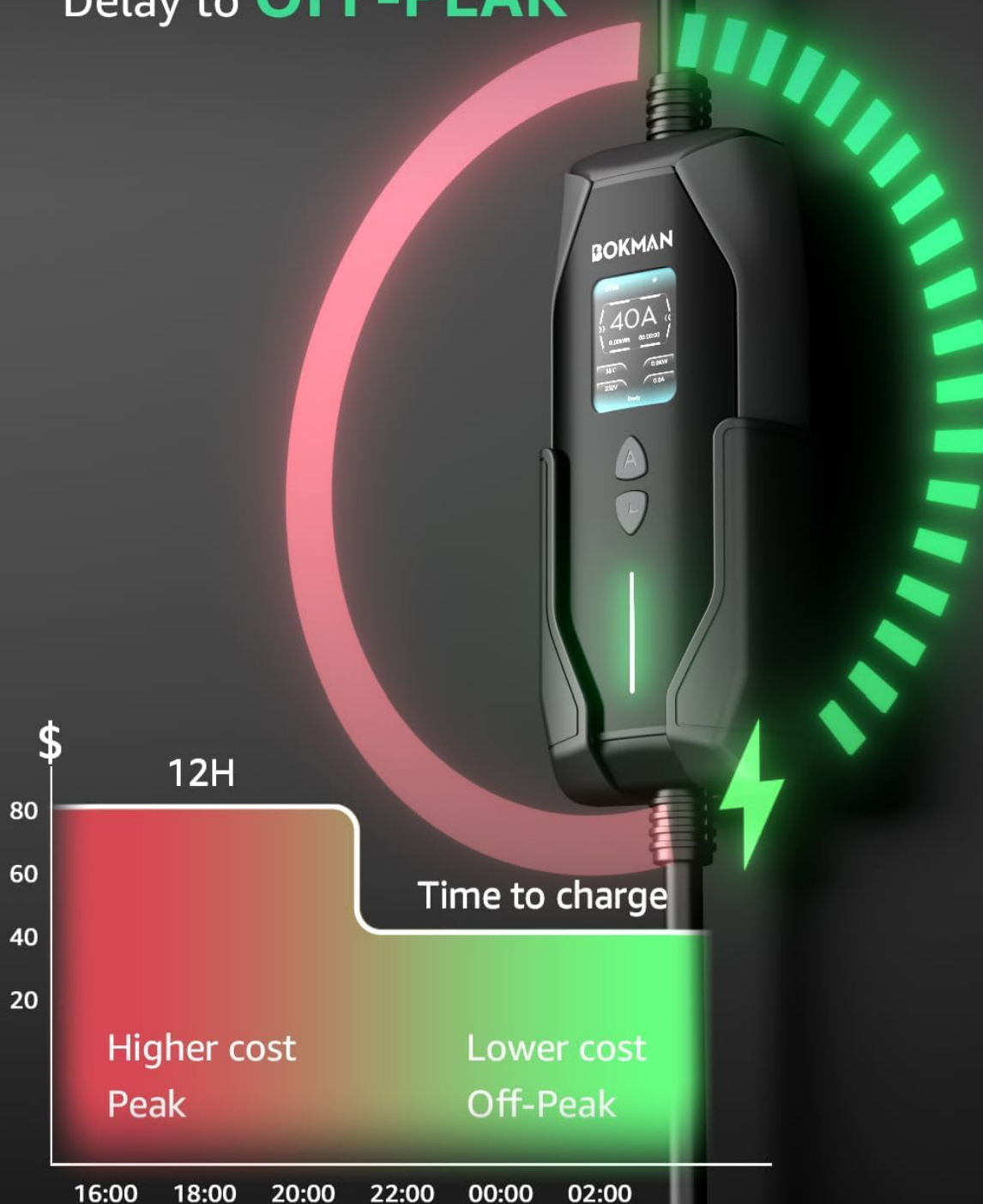


Image: Power Up for Less. This graphic illustrates how to use the delay timer to charge during off-peak hours, optimizing energy costs.

MAINTENANCE

The bokman EV Charger is built for durability and minimal maintenance. Its robust design ensures long-lasting performance.

- **Cleaning:** Regularly wipe the charger unit and cable with a soft, damp cloth to remove dust and dirt. Ensure the unit is unplugged before cleaning.

- **Storage:** When not in use, store the charger in its durable carry bag to protect it from elements and physical damage.
- **Cable Care:** Avoid kinking or bending the cable sharply. Do not drive over the cable.

All-Weather Durability

The charger is IP65 waterproof, freeze-resistant, and heat-resistant, making it suitable for outdoor use in various weather conditions. Its fire-resistant materials and robust construction withstand drops and vehicle pressure.



Image: IP65 Rated Waterproof. This image highlights the charger's IP65 waterproof rating, indicating its suitability for outdoor use.

TROUBLESHOOTING

If you encounter issues with your bokman EV Charger, please refer to the following common solutions:

- **Charger Not Activating:** Ensure the charger is securely plugged into a compatible and functional outlet. Verify that the NEMA 14-50 plug or NEMA 5-15 adapter is correctly connected.
- **Charging Speed Issues:** Check the adjustable current setting on the charger. Ensure it is set to an appropriate amperage for your vehicle and electrical circuit. Higher amperage settings provide faster charging.
- **Overheat/Overcurrent Protection:** The charger has built-in protections. If it stops charging, it might be due to overtemperature, overvoltage, or overcurrent. Disconnect the charger, allow it to cool down, and check your electrical system for any issues before reconnecting.
- **Ground Fault Monitoring:** The charger includes ground fault monitoring. If a ground fault is detected, the charger will stop. Ensure your electrical system has proper grounding.
- **Tesla Compatibility:** Please note that this EV charger is **NOT compatible with Tesla vehicles** without a separate J1772 to Tesla charging adapter (not included).

Slower, but Safer

The National Electrical Code (NEC) stipulates that the maximum current for a continuous load (operating for 3 hours or more) shall not exceed 80% of the branch circuit ampere rating

LEVEL 1/120V NEMA 5-15

120V (5-15) Max Current: **15A**

16A selection shows **warning** & **not advised**.

Previous auto-limit at 12A removed.

LEVEL 1/120V NEMA 5-20

Max Current: **16A**

LEVEL 1/120V NEMA 14-30

Max Current: **16A**

LEVEL 2/240V NEMA 14-50

Max Current: **40A**

Image: Slower, but Safer. This image provides guidance on maximum current for continuous loads according to NEC, emphasizing safe charging practices for different NEMA outlets.

SPECIFICATIONS

Feature	Detail
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Feature	Detail
Brand	bokman
Model Number	BKL24025
Item Weight	14.7 pounds
Product Dimensions	14.17 x 12.99 x 3.94 inches
Charging Levels	Level 1 (120V), Level 2 (240V)
Max Amperage	40A (Level 2)
Cable Length	25 feet
Connectors	NEMA 14-50 plug, NEMA 5-15 adapter (included), J1772 connector
Adjustable Current	Level 1: 6/8/10/12A; Level 2: 6/8/10/12/16/24/32/40A
Delay Timer	1 to 12 hours
Waterproof Rating	IP65
Safety Features	Overtemperature, overvoltage, overcurrent protection, ground fault monitoring, fire-resistant materials
Compatibility	All J1772 EV & PHEVs (Not compatible with Tesla without adapter)

WARRANTY INFORMATION

The bokman Portable EV Charger comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package for specific terms, conditions, and duration. Retain your proof of purchase for any warranty claims.

CUSTOMER SUPPORT

For technical assistance, troubleshooting, or any questions regarding your bokman EV Charger, please contact our customer support team. Contact information can be found in the user manual included with your product or on the official bokman website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question