Andeman HS1

Andeman Level 2 EV Charger User Manual

Model: HS1

Introduction

Thank you for choosing the Andeman Level 2 EV Charger. This portable 240V charger is designed to provide efficient and reliable charging for your electric and hybrid vehicles, featuring a SAE-J1772 connector and NEMA 14-50 plug. With adjustable current settings, smart app control, and robust safety features, this manual will guide you through its setup, operation, and maintenance to ensure optimal performance and longevity.

Image: The Andeman Level 2 EV Charger, showcasing the main control unit, the J1772 charging plug, and a compact carrying case. An accompanying smartphone screen displays the charger's smart app interface.

Safety Information

Please read all safety warnings and instructions carefully before installation and use. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Ensure the electrical outlet and wiring are suitable for the charger's specifications (240V, 32A). Consult a qualified electrician if unsure.
- Do not use the charger if the cable, plug, or charging connector is damaged.
- Keep the charger and cables away from water, flammable materials, and extreme temperatures. The unit is IP66 waterproof, but proper care is still essential.
- Do not attempt to disassemble or repair the charger. Contact customer support for assistance.
- Always ensure the charging connector is fully inserted into the vehicle's charging port before initiating charging.

- The charger includes overheating protection. If the unit becomes excessively hot, it will automatically reduce power or stop charging.

Image: Visual representation of the charger's durability, highlighting its ability to withstand extreme temperatures (50°C and -30°C), IP66 waterproof rating, and integrated overheating protection.

Product Features

- **Fast Charging:** Delivers up to 7.68kW (32A) for rapid charging, significantly reducing charging times compared to Level 1 chargers.

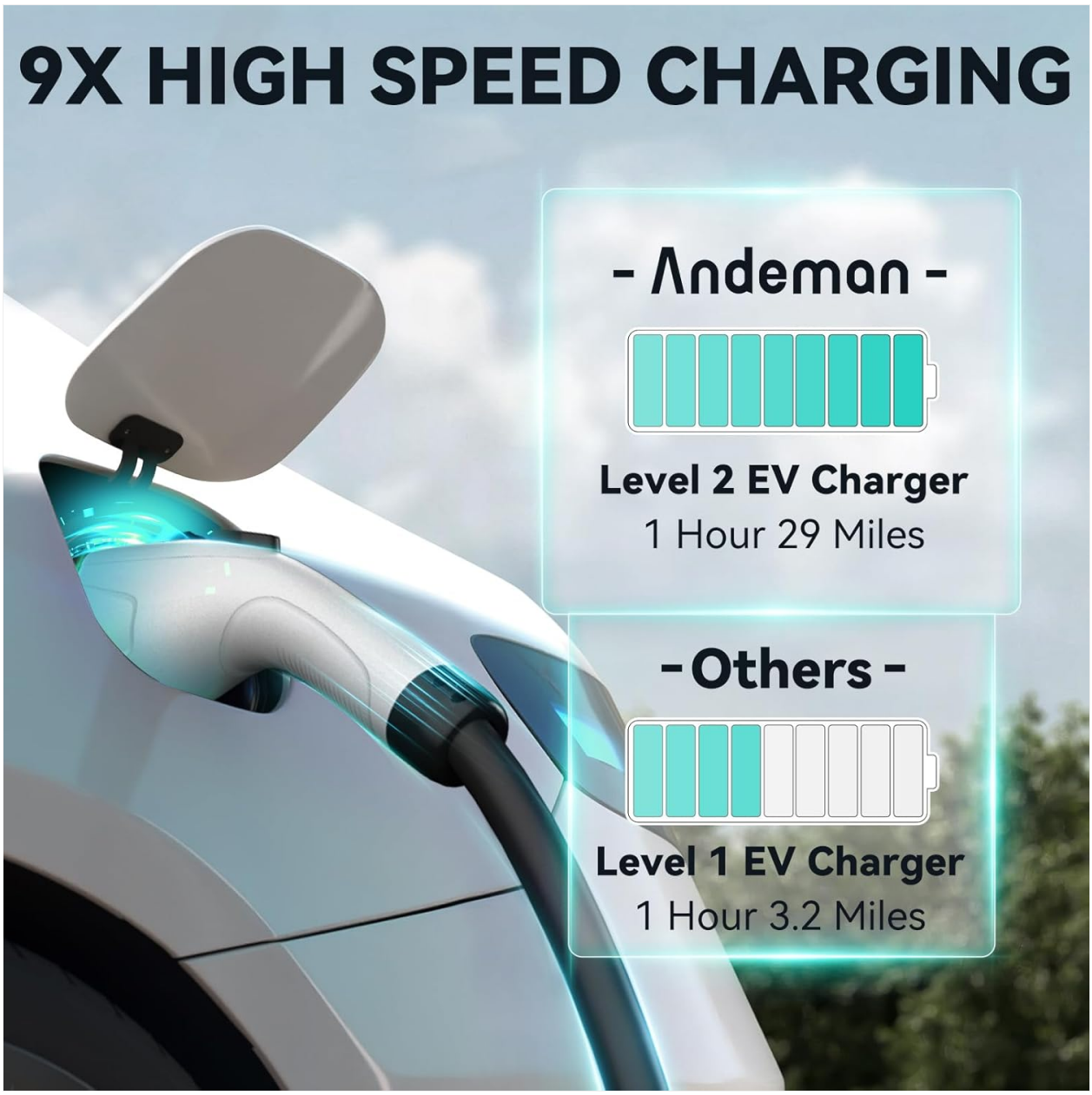


Image: A graphic illustrating the speed advantage of the Andeman Level 2 EV Charger, showing it charges up to 9 times faster than a typical Level 1 charger, adding approximately 29 miles of range per hour.

- **Adjustable Current:** Current can be adjusted between 8-32 Amps to match your electrical circuit capacity and prevent overloads.

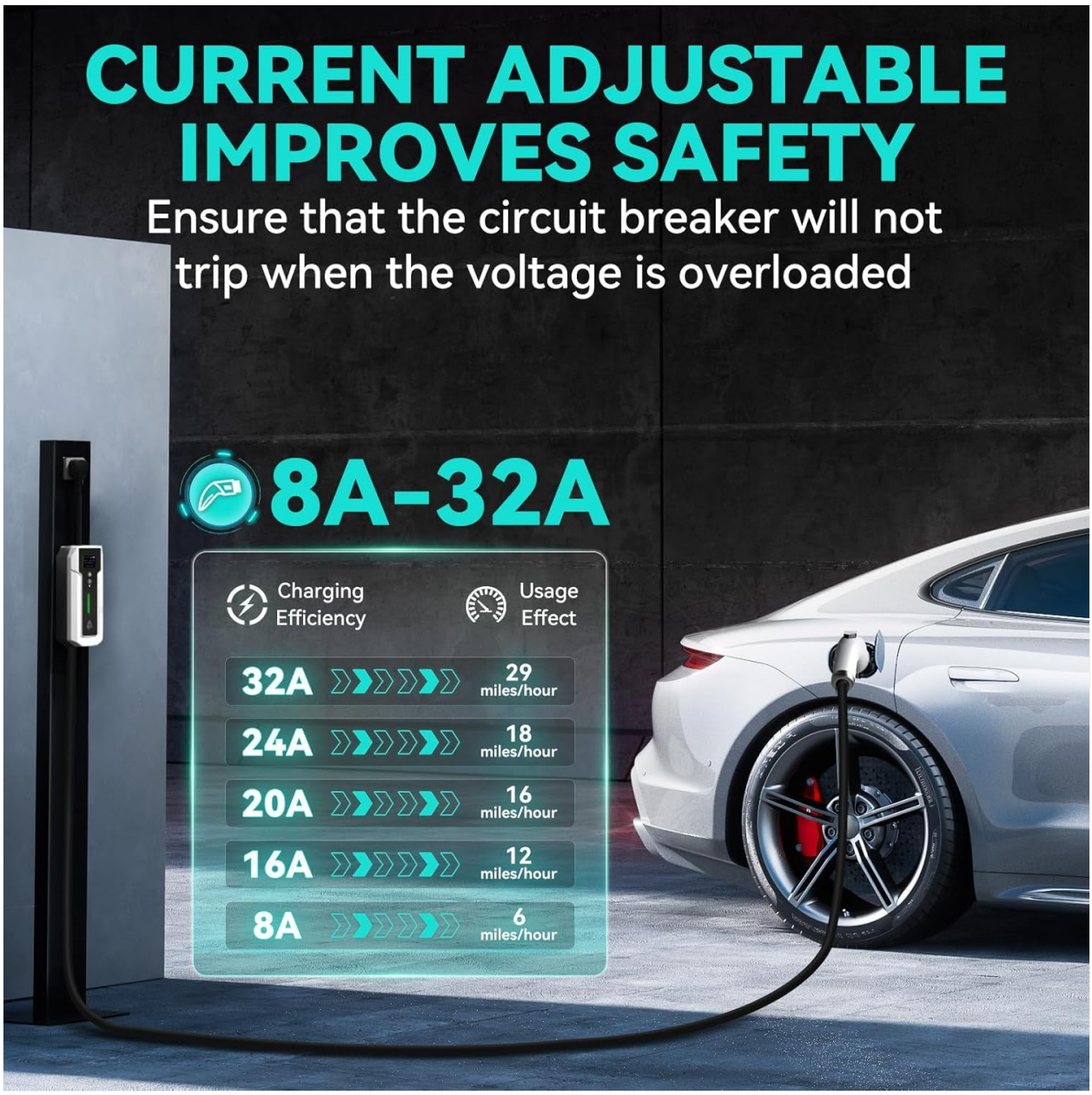


Image: A visual demonstrating the adjustable current feature of the charger, with options ranging from 8A to 32A, and corresponding miles per hour of charge.

- **Universal Compatibility:** Equipped with a standard SAE J1772 plug, compatible with most electric and hybrid vehicles. (Note: Tesla vehicles require an additional adapter, not included).

Image: An illustration showing the SAE J1772 plug and its compatibility with various electric vehicle brands such as Tesla (with adapter), Chevrolet, Ford, Rivian, Lucid, Porsche, BMW, and Nissan.

- **Smart APP Control:** Connect via WiFi for remote control, scheduled charging, current adjustment, charging time management, and real-time monitoring of charging status and statistics.

Image: A smartphone displaying the Andeman EV charger app interface, showing features like charging time, arbitrary amperage adjustment (8-32A), charging statistics, and real-time charge status.

- **25 FT Cable:** Provides ample reach for convenient charging in various locations, whether indoors or outdoors.

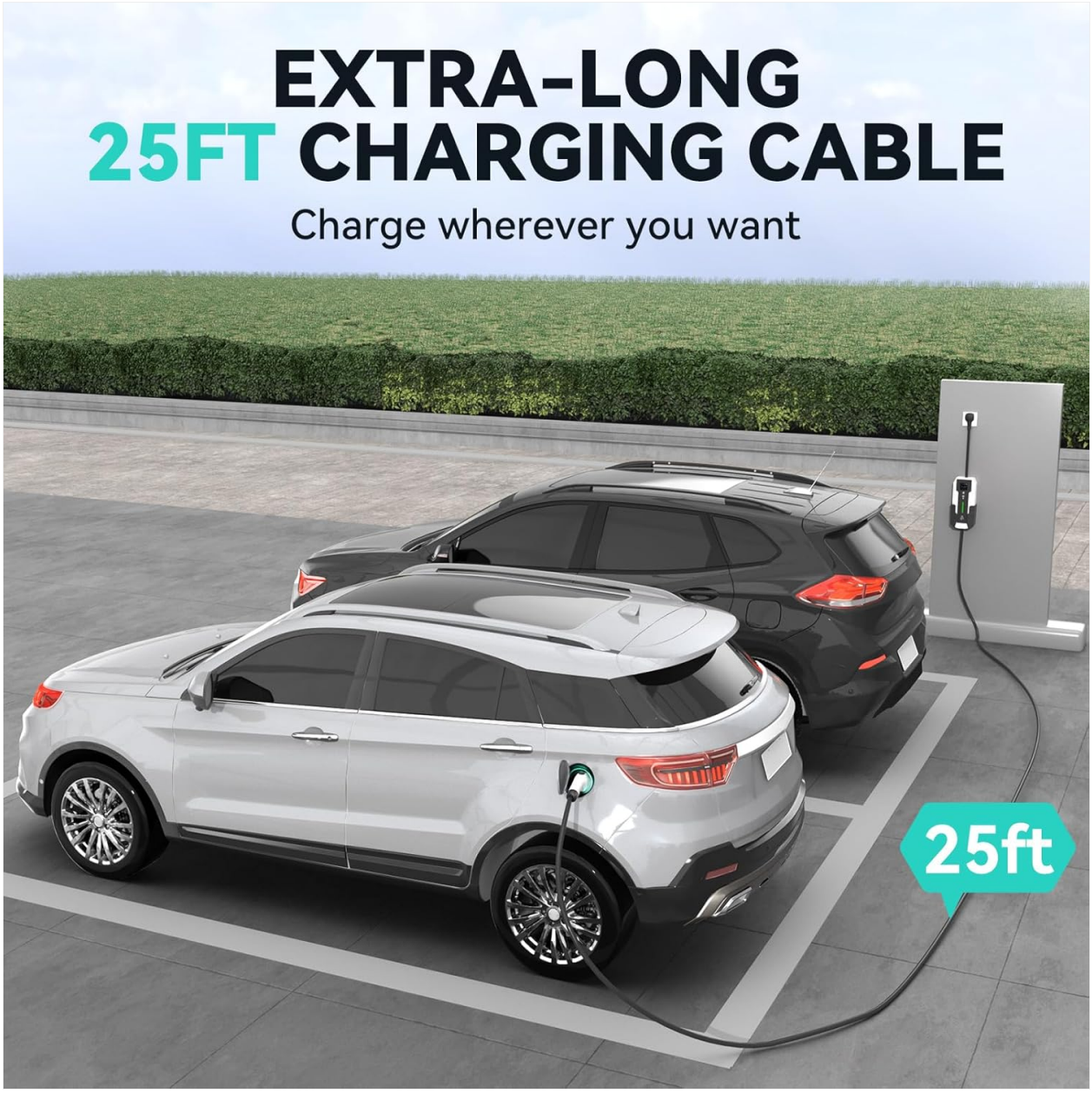


Image: An overhead view illustrating the convenience of the 25-foot charging cable, allowing the EV charger to reach vehicles parked at a distance.

- **Portable Design:** Easy to store and carry, making it suitable for both home charging stations and mobile use at campsites or during fieldwork.

Image: Two scenarios demonstrating the charger's versatility: as a fixed EV charging station at home or a parking lot, and as a mobile EV charger for use at camp sites, picnics, or fieldwork.

Setup

1. Physical Installation

1. **Choose Location:** Select a dry, well-ventilated area near a NEMA 14-50 outlet. Ensure the 25 FT cable can comfortably reach your vehicle's charging port.
2. **Mounting (Optional):** The charger can be mounted to a wall using appropriate hardware (not included) for a permanent charging station setup. Ensure the mounting surface is sturdy enough to support the charger's weight.
3. **Connect to Power:** Plug the NEMA 14-50 plug into a dedicated 240V NEMA 14-50 outlet. The charger's display should illuminate.

2. Smart APP Installation & Connection

1. **Download App:** Scan the QR code provided in the charger's packaging or search for "Andeman EV Charger" (or similar, check packaging for exact name) in your smartphone's app store (iOS/Android).
2. **Register/Login:** Create an account or log in if you already have one.
3. **Add Device:** Follow the in-app instructions to add your EV charger. This typically involves putting the charger

into pairing mode (refer to charger display or physical buttons for specific instructions) and connecting it to your home WiFi network.

4. **Verify Connection:** Once connected, the app should display the charger's status, and you should be able to control it remotely.

Your browser does not support the video tag.

Video: This video demonstrates the key features of the Andeman EV charger's smart app, including setting charging schedules, adjusting current, and tracking historical charging data. It highlights how the app enhances user control and monitoring of the charging process.

Operating Instructions

1. Starting a Charge (Plug-and-Charge Mode)

1. Ensure the charger is powered on and connected to your NEMA 14-50 outlet.
2. Open your vehicle's charging port.
3. Firmly insert the SAE J1772 charging connector into your vehicle's charging port until it clicks into place.
4. The charger will automatically detect the vehicle and begin charging. The display will show real-time charging data (voltage, current, power, time).

2. Adjusting Current

- **Via App:** Open the Andeman EV Charger app. Navigate to the current adjustment section. Select your desired amperage (8A-32A) and confirm. (Note: Current adjustment is typically available in standby mode, before charging begins).
- **Via Charger Button:** The charger unit may have a physical button to cycle through preset amperage settings (e.g., 16A, 24A, 32A). Refer to the charger's display for the current setting.

3. Scheduled Charging (Via App)

1. Connect the charger to your vehicle.
2. In the Andeman EV Charger app, select the "Delayed Charging" or "Scheduled Charging" option.
3. Set the desired start time or delay duration. This feature is useful for charging during off-peak electricity hours to save costs.
4. Confirm your settings. The charger will wait until the scheduled time to begin charging.

4. Stopping a Charge

- **Via Vehicle:** Most EVs allow you to stop charging from within the vehicle's infotainment system or companion app.
- **Via Charger Button:** Press the stop/power button on the charger unit.
- **Via App:** Use the "Click to turn off the power" or similar button in the app.
- Once charging has stopped, safely disconnect the charging connector from your vehicle.

Maintenance

- **Cleaning:** Regularly wipe the charger unit and cables with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure the unit is unplugged before cleaning.
- **Cable Care:** Avoid kinking, twisting, or driving over the charging cable. Store the cable neatly when not in use to prevent damage.
- **Storage:** When not in use for extended periods, store the charger in a cool, dry place, ideally in its original

carrying case.

- **Inspection:** Periodically inspect the plug, cable, and charging connector for any signs of wear, damage, or corrosion.

Troubleshooting

Problem	Possible Cause	Solution
Charger not starting/no power.	No power from outlet; circuit breaker tripped; charger fault.	Check NEMA 14-50 outlet and circuit breaker. Ensure plug is fully inserted. If problem persists, contact support.
Charging stops unexpectedly.	Overheating protection activated; vehicle full; power interruption.	Check charger display for error codes. Allow charger to cool if overheated. Verify vehicle charge level. Check power supply.
App not connecting or showing incorrect data.	WiFi connectivity issues; app glitch; incorrect pairing.	Ensure charger is within WiFi range. Restart app and charger. Re-pair device if necessary. Check app for updates.
Current setting resets or changes.	App setting override; internal software issue.	Re-set desired current via app. Ensure no conflicting schedules or settings are active. If persistent, contact support.
Vehicle not recognized by charger.	Connector not fully inserted; vehicle charging port issue.	Ensure the J1772 connector is fully and firmly seated. Check vehicle's charging port for obstructions.

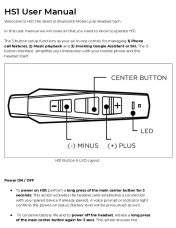
Specifications

Feature	Detail
Brand	Andeman
Model Number	HS1
Input Voltage	240V
Max Amperage	32 Amps
Max Power Output	7.68 KW
Charging Connector	SAE J1772
Power Plug	NEMA 14-50
Cable Length	25 FT
Waterproof Rating	IP66
Special Features	Adjustable Current, Smart APP Control, Scheduled Charging, Overheating Protection
Item Weight	11.31 pounds
Product Dimensions	16.5 x 15.7 x 5.9 inches

Warranty and Support

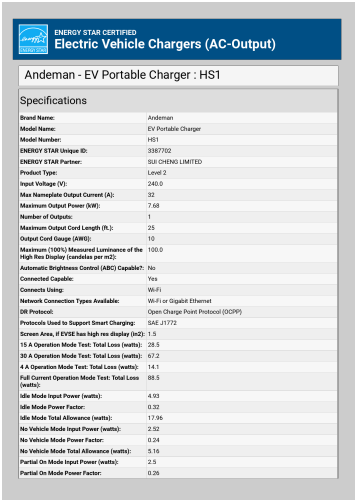
For warranty information and technical support, please refer to the documentation included with your product or visit the official Andeman website. If you encounter any issues not covered in this manual, please contact Andeman customer service for assistance.
You can also visit the Andeman Store on Amazon for more product information and support resources.

Related Documents - HS1

	HS1 Motorcycle Headset User Manual and Installation Guide Comprehensive guide for the HS1 Bluetooth motorcycle headset, covering operation, pairing, call management, music control, voice assistant activation, and installation on various helmet types.
	Andeman WS1 EV Wall Charger User Manual User manual for the Andeman WS1 EV Wall Charger, detailing installation, operation, safety instructions, and app connectivity for home EV charging.
	Andeman WS-40S EV Wall Charger User Manual User manual for the Andeman WS-40S EV Wall Charger, detailing safety instructions, installation, app usage, charging operations, status indicators, troubleshooting, and certifications.
	Andeman Epower-155 Pro Multi-Function Jump Starter User Manual User manual for the Andeman Epower-155 Pro, a powerful 3000A multi-function jump starter and power bank. Find detailed instructions on jump-starting vehicles, charging the device, using the LED light, specifications, safety precautions, and troubleshooting tips.
	HOSPEED 1:18 4WD Electric Monster Truck Brushless Power - Instruction Manual Comprehensive instruction manual for the HOSPEED 1:18 4WD Electric Monster Truck. Learn about setup, operation, maintenance, safety, and troubleshooting for this brushless power RC vehicle.

	[Andeman Epower-B05 Multi-Function Jump Starter and Air Compressor User Manual] Comprehensive user manual for the Andeman Epower-B05, a multi-function jump starter, air compressor, and power bank. Includes operating instructions, features, specifications, troubleshooting, and safety precautions.

Documents - Andeman – HS1


ENERGY STAR CERTIFIED
Electric Vehicle Chargers (AC-Output)

Andeman - EV Portable Charger : HS1

Specifications

Brand Name:	Andeman
Model Name:	EV Portable Charger
Model Number:	HS1
ENERGY STAR Unique ID:	3387702
ENERGY STAR Partner:	SUI CHENG LIMITED
Product Type:	Level 2
Input Voltage (V):	240.0
Max Nameplate Output Current (A):	32
Maximum Output Power (kW):	7.68
Number of Outputs:	1
Maximum Output Cord Length (ft.):	25
Output Cord Gauge (AWG):	10
Maximum (100%) Measured Luminance of the High Res Display (candelas per m2):	100.0
Automatic Brightness Control (ABC) Capable?:	No
Connected Capable:	Yes
Connects Using:	Wi-Fi
Network Connection Types Available:	Wi-Fi or Gigabit Ethernet
DR Protocol:	Open Charge Point Protocol (OCPP)
Protocols Used to Support Smart Charging:	SAE J1772
Screen Area, if EVSE has high res display (in2):	1.5
15 A Operation Mode Test: Total Loss (watts):	28.5
30 A Operation Mode Test: Total Loss (watts):	67.2
4 A Operation Mode Test: Total Loss (watts):	14.1
Full Current Operation Mode Test: Total Loss (watts):	88.5
Idle Mode Input Power (watts):	4.93
Idle Mode Power Factor:	0.32
Idle Mode Total Allowance (watts):	17.96
No Vehicle Mode Input Power (watts):	2.52
No Vehicle Mode Power Factor:	0.24
No Vehicle Mode Total Allowance (watts):	5.16
Partial On Mode Input Power (watts):	2.5
Partial On Mode Power Factor:	0.26

[pdf] Specifications

Andeman EV Portable Charger HS1 ENERGY STAR Certified Electric Vehicle Chargers AC Output v1 2 certification information for Product ID 3387702 Specification Version 1 AndemanEVPortableChargerHS1 2024 11 energystar gov productfinder product certified evse ac output details export |||

ENERGY STAR CERTIFIED Electric Vehicle Chargers AC-Output Andeman - EV Portable Charger : **HS1** Specifications Brand Name: Andeman Model Name: EV Portable Charger Model Number: **HS1** ENERGY STAR Unique ID: 3387702 ENERGY STAR Partner: SUI CHENG LIMITED Product Type: Level 2 Input Voltag...

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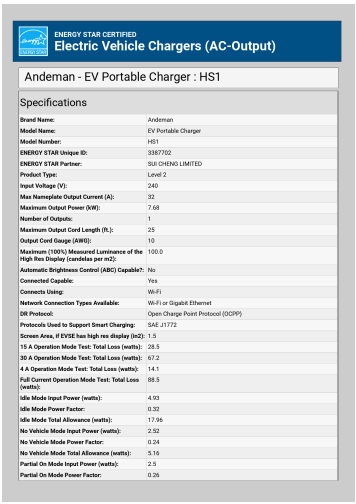
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[Andeman EV Portable Charger HS1 - ENERGY STAR Certified Specifications]

Detailed specifications and ENERGY STAR certification information for the Andeman EV Portable Charger model HS1, including input/output power, connectivity, and operational test results.

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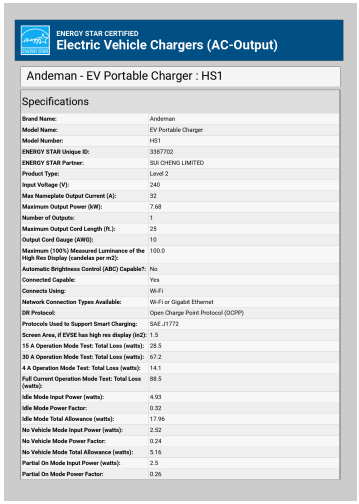
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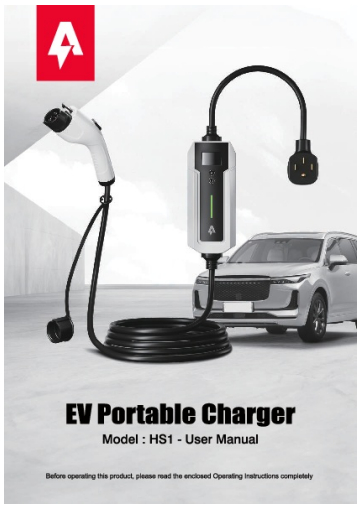

[pdf] User Manual

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