



User's Manual

AxFAST P-120240V.USA

LEVEL 2 Electric Vehicle Portable Charger (EVSE)

Dual Voltage | 120V/240V | SAE J1772

TABLE OF CONTENTS

1. Safety Instruction and Information	1
2. FCC Information	3
3. Package Content	4
4. Specifications	5
5. Required Adapters and Outlets	7
6. Charging Your Electric Vehicle	9
7. The Front Panel LED Indicators	11
8. Installation	14
9. Maintenance	15
10. Customer Support	16

1. SAFETY INSTRUCTION AND INFORMATION

Carefully read this manual and the charging instructions in the owner's manual of your electric vehicle before charging.

The following symbols may be found in this manual or on labels affixed to the Electric Vehicle Supply Equipment (EVSE), also known as EV Charger:



CAUTION: This symbol means be careful. You might do something that possibly result in damage to the equipment.



WARNING: This symbol means danger. **DO NOT ATTEMPT TO REPAIR THE CABLE YOURSELF.** You are in a situation that could cause bodily injury. Before working on any electrical equipment, please be aware of the hazards involved with electrical circuitry and standard practices for preventing any accidents.

Please note:

- ◆ If EVSE is cracked, or is visibly damaged - **DO NOT USE** and contact Customer Support immediately. **DO NOT ATTEMPT TO REPAIR THE DEVICE YOURSELF**, which will void all warranty.
- ◆ **TO REDUCE THE RISK OF ELECTRIC SHOCK**, mount the product on the wall when charging at LEVEL 2/240V.

- ◆ DO NOT PLUG INTO A RELOCATABLE POWER TAP. The charger should be plugged directly into a properly grounded outlet. Using any extension cord, adapters, other grounding wires or electrical connections in conjunction will void all ACCELL warranties.
- ◆ GROUNDING - This product features a three-prong grounded AC plug designed for use with a grounded three-prong power outlet. If the plug does not fit into the power outlet, do not force. Do not alter the plug. Contact a qualified electrician for information on installing a grounded outlet. Use with an inappropriate power outlet will void warranties.
- ◆ Make sure the product is positioned where it will not be stepped on or tripped over. Do not allow minors/children to operate device. Adult supervision is mandatory when EVSE is in use.
- ◆ HEAT - Do not expose product to direct sunlight or place it near a heater or in an enclosed area prone to high heat.

2. FCC INFORMATION

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- ◆ This device may not cause harmful interference.
- ◆ This device must accept any interference received, including interference that may cause undesired operation.

This product has been designed to protect against Radio Frequency Interference (RFI). However, there are some instances where high powered radio signals or nearby RF producing equipment (such as digital phone, RF communications equipment, etc) could affect the operation.

If you suspect your charger is receiving interference, we suggest the following steps be taken before contacting ACCELL Customer Support for assistance:



1. Reorient or relocate nearby electrical appliances or equipment during charging.
2. Turn off nearby electrical appliances or equipment during charging.

CAUTION: Changes or modifications to this product by other than an authorized service facility may void FCC compliance.

4. SPECIFICATIONS

AxFAST P-120240V.USA is a dual voltage (120/240V nominal) system with automatic voltage detection and dead band restriction to provide maximal versatility with regulatory complied safety protection.

Please check on the back label of your EVSE to ensure the correct charger model was purchased for your electric vehicle, and the correct household utility circuit can support it.

Model	AxFAST P-120240V.USA	
Charging Gun & Power	SAE J1772	1.44kW @ 12A/120V 3.84kW @ 16A/240V
Plug & Voltage	NEMA 5-15	120V
	NEMA 6-20	240V (Up to 3x faster)
	NEMA 10-30 (Optional)	240V (Up to 3x faster)
Cable Length	24.6 ft EVSE	1 ft adapters
Environmental Rating	Indoor/Outdoor	IP55 waterproof
Storage Temperature	-22°F to 158°F (-30°C to 70°C)	
Operation Temperature	-22°F to 122°F (-30°C to 50°C)	
Dimension	L4.6" x W2.6" X H11.6", excluding charging cable	
Weight	8 lbs.	

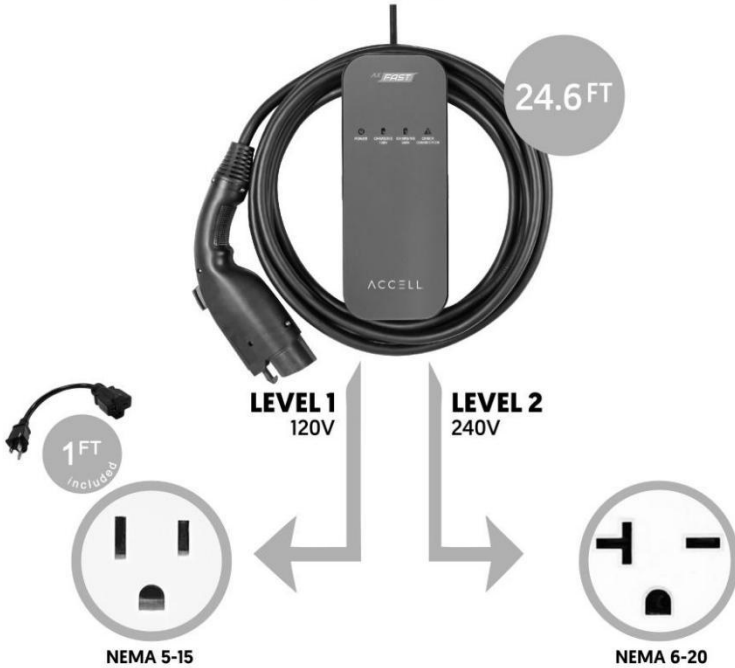
- ◆ The EVSE draws up to 80% of the outlet's rated current as a safety precaution, meeting regulation requirement.
- ◆ For 120V system, the operation range is 90V ~ 135V for Under Voltage Protection (UVP) and Over Voltage Protection (OVP).
- ◆ For 240V system, the operation range is 190V ~ 250V, if not otherwise specified.

5. REQUIRED ADAPTERS AND OUTLETS



EVSE CAN BE USED WITH ANY POWER SOURCE

120V charging when plugged into a standard grounded outlet, NEMA 5-15, with adapter or 240V charging when plugged into NEMA 6-20 outlet



*Plug into 240V dryer outlet with optional NEMA 10-30 adapter [P/N: P-10-30.USA-001]

To purchase optional adapters, visit our website at www.accellww.com.

This product requires the use of a EARTH grounded outlet. The utility socket for the EVSE's plug must have "ground" or "earth" line properly functioning. If this product should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock.



CAUTION/WARNING:

AxFAST will not function if the EARTH GROUNDED of the outlet is missing. This means the two-pin type AC socket is not suitable for electric vehicle charging. Please consult a professional electrician for details.

6. CHARGING YOUR ELECTRIC VEHICLE (EV)

1. Plug the EVSE into an appropriate wall outlet and wait until the blue POWER LED is lit non-blinking.

- a) Make sure that the appropriate adapter is used for the outlet. Refer to Section 5 for required adapters and outlets.



2. Plug the connector of AxFAST into your electric vehicle's charging inlet, making sure it is safely secured.

3. The EVSE will self-test for 5 seconds and start charging automatically. Refer to green light on front panel for indication of charging status.



Either 120V or 240V will light up matching auto-sensing charge.

- a) If yellow light on the panel is lit, there may be a loose connection. Disconnect the connector and reconnect. For more information on the indicator lights, refer to Section 7.

4. Charging is complete when green light turns off. Disconnect by pressing the release bottom at the charging connector.



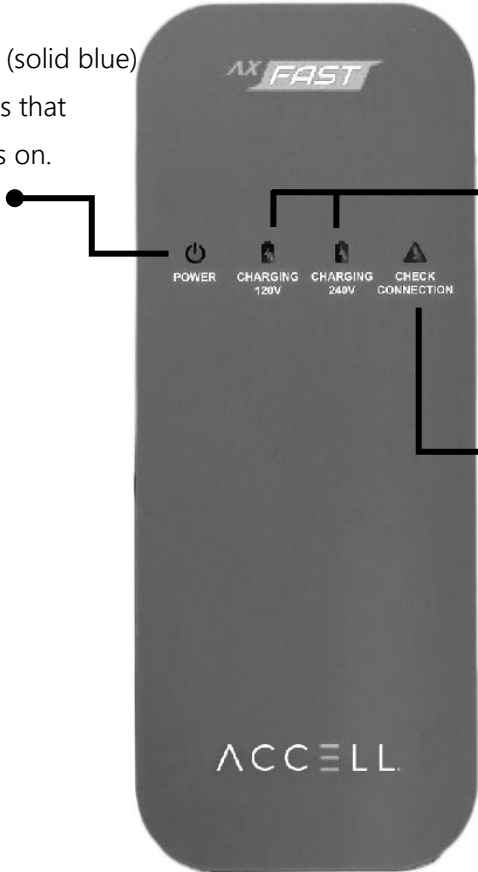
5. Remove the plug of the EVSE and store it properly. If storing the EVSE in the carry case, the recommended positioning is as follows: wrap the cable around the unit and place the charging coupler to the right.



7. THE FRONT PANEL LED INDICATORS

There are four LED indicator lights on the front panel of AxFAST.

























POWER (solid blue)
indicates that
power is on.































CHARGING (solid green) indicates vehicle is charging. The EVSE automatically senses for 120V or 240V.

CHECK CONNECTION (solid yellow) indicates that the unit cannot properly communicate with the electric vehicle. For more information, refer to the next page.

The following table shows the status of AxFAST indicator lights. It is intended for user's reference.

POWER	120V	240V	CHECK CONNECTION	Possible Condition
Off 	Off 	Off 	Off 	No Power to the EVSE, check circuit breaker
On 	Off 	Off 	Off 	Ready to plug into electric vehicle to charge or electric vehicle is fully charged
On 	On 	Off 	Off 	Electric vehicle is being charged at 120V
On 	Off 	On 	Off 	Electric vehicle is being charged at 240V
On 	Off 	Off 	On 	Electric vehicle draws over the upper limit current, DO NOT attempt to plug/unplug the connector if error persists
On 	Blink 	Blink 	Blink 	The operating temperature is high possibly due to insufficient ventilation. PLEASE ensure cool surrounding air. If problem persists, DO NOT use device

POWER	120V	240V	CHECK CONNECTION	Possible Condition
On 	Off 	Blink 	Blink 	ACCELL EVSE self-test failed. DO NOT attempt to plug/unplug the connector if error persists
Blink 	Off 	Blink 	Blink 	Short circuit or current leakage detected, please DO NOT use device
Blink 	Blink 	Blink 	Blink 	Initial Power-On, allow for 5 seconds of self-test
Blink 	Blink 	Off 	Off 	No EARTH ground connection at the utility outlet, not possible to charge the vehicle. Please consult electrician.
Blink 	Blink 	Blink 	Blink 	[Blink in turn] MCU internal error, the EVSE is no longer functional. Please contact ACCELL Customer Support.
On 	On 	On 	On 	Welding relay detected, please DO NOT use device
Off 	On 	On 	Blink 	Under Voltage Protection or Over Voltage Protection, please consult electrician.

8. INSTALLATION

Connection of our EVSE is easy. Simply find the corresponding socket and plug in to charge.

If permanent installation is preferred, place the unit on a flat-wall surface and using the screws and drywall anchors, attach the mounting bracket securely to the wall.



See figure for the recommended electric vehicle connector and cable position when not in use.



9. MAINTENANCE

The product requires no periodic maintenance other than occasional cleaning.



WARNING: To reduce the risk of electrical shock or equipment damage, please note the following

1. User must unplug the AC plug or turn off the circuit breaker connected to the EVSE before cleaning.
2. Clean the EVSE using a soft cloth lightly moistened with mild detergent solution. Never use any type of abrasive pad, scouring powder, or flammable solvents such as alcohol or benzene. Do not spray water directly onto the EVSE.
3. The EVSE contains no user serviceable components. Please refrain from repairing the unit on your own and refer to Front Panel Lighting for troubleshooting.

10. CUSTOMER SUPPORT

Our customer support can be reached at support@ACCELLww.com. To ensure efficient service, please include the following information:

- ◆ Your name and phone number
- ◆ Invoice date and name of company purchased from
- ◆ Detailed description of your concern, include photos or videos if available