

User Manual

Blink Mobile Charger – Level 2 AC EVSE

Version 2.0



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Notice

Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.



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1. IMPORTANT SAFETY INSTRUCTIONS

Before installing or using the Blink Electric Vehicle Supply Equipment (EVSE), read all these instructions, paying particular attention to any WARNING and CAUTION markings in this document and on the Blink Product. You should also review any instructions included with your electric vehicle (EV) as they pertain to vehicle charging. The following symbols and associated instructions are used throughout this document and relate to action necessary to avoid hazards.

Safety Instructions

Legend



WARNING

Used when there is a risk of personal injury



WARNING: RISK OF ELECTRIC SHOCK

Used when there is a risk of electric shock



WARNING: RISK OF FIRE

Used when there is a risk of fire



CAUTION

Used when there is a risk of damage to the equipment

Repair and Maintenance Clause

Only a licensed contractor, licensed electrician, or trained installation expert is allowed to repair or maintain this device. It is forbidden for a general user to repair or maintain this device.

Any repair or maintenance MUST be performed after removing power from this device.

Moving and Storage Instructions

- Store the product at a temperature between -10 and 50°C
- Check product for damage after moving.
- Carry the product by the sides. Do not lift or carry by either the flexible cord or the EV cable, if provided



WARNING: RISK OF ELECTRIC SHOCK

Basic precautions should always be followed when using electrical products, including the following:

Read all the instructions before using this product.

This device should be supervised when used around children.

Do not put fingers into the EV connector.

Do not use this product if the flexible power cord or EV cable is frayed, has broken insulation, or any other signs of damage.

Do not use this product if the enclosure or the EV connector is broken, cracked, open, or shows any other indication of damage.



WARNING: RISK OF ELECTRIC SHOCK

Improper connection of the equipment grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded.



WARNING: RISK OF ELECTRIC SHOCK

Do not touch live electrical parts.

Incorrect connections may cause electric shock.



WARNING

This equipment is intended only for charging vehicles that do not require ventilation during charging. Please refer to your vehicle's owner's manual to determine ventilation requirements.



WARNING

Do not use extender cables to increase the length of the charging cable. The maximum length is limited to 25 feet by the National Fire Protection Agency.



CAUTION

To reduce the risk of fire, connect only to a circuit provided with Model HQW2-50C-W1-N1-N-23, HQW2-50C-N1-N1-N-23, HQW2-50C-W1-N2-N-23-D for 50 A; Model MQW2-50C-M2-R1-N-23, HQW2-50C-W1-N1-N-23, HQW2-50C-N1-N1-N-23, MQW2-50C-M2-R2-N-23-D, HQW2-50C-W1-N2-N-23-D for 62.5 A amperes maximum branch circuit overcurrent protection in accordance with the National Electrical Code, ANSI/NFPA 70 and the Canadian Electrical Code, Part I, C22.1.

<p style="text-align: center;">GENERAL HAZARDS</p> <ul style="list-style-type: none"> • NEVER operate in an enclosed area, in a vehicle, or indoors EVEN IF doors and windows are open. • For safety reasons, the manufacturer recommends that the maintenance of this equipment is carried out by an Authorized Dealer. Inspect the generator regularly and contact the nearest Authorized Dealer for parts needing repair or replacement. • Operate generator only on level surfaces and where it will not be exposed to excessive moisture, dirt, dust or corrosive vapors. • Keep hands, feet, clothing, etc., away from drive belts, fans, and other moving parts. Never remove any fan guard or shield while the unit is operating. • Certain parts of the generator get extremely hot during operation. Keep clear of the generator until it has cooled to avoid severe burns. • DO not alter the construction of the generator or change controls which might create an unsafe operating condition. • Never start or stop the unit with electrical loads connected to receptacles AND with connected devices turned ON. Start the engine and let it stabilize before connecting electrical loads. Disconnect all electrical loads before shutting down the generator. • DO NOT insert objects through unit's cooling slots. • When working on this equipment when physically or mentally fatigued. • Never use the generator or any of its parts as a step. Stepping on the unit can stress and break parts, and may result in dangerous operating conditions from leaking exhaust gases, fuel leakage, oil leakage, etc. 	<p style="text-align: center;">ELECTRICAL HAZARDS</p> <ul style="list-style-type: none"> • The generator produces dangerously high voltage when in operation. Avoid contact with bare wires, terminals, connections, etc., while the unit is running, even on equipment connected to the generator. Ensure all appropriate covers, guards and barriers are in place before operating the generator. • Never handle any kind of electrical cord or device while standing in water, while barefoot or while hands or feet are wet. DANGEROUS ELECTRICAL SHOCK MAY RESULT. • The National Electric Code (NEC) requires the frame and external electrically conductive parts of the generator be properly connected to an approved earth ground. Local electrical codes may also require proper grounding of the generator. Consult with a local electrician for grounding requirements in the area. • Use a ground fault circuit interrupter in any damp or highly conductive area (such as metal decking or steel work). • Do not use worn, bare, frayed or otherwise damaged electrical cord set with the generator. • Before performing any maintenance on the generator, disconnect the engine starting battery (if equipped) to prevent accidental start up. Disconnect the cable from the battery post indicated by a NEGATIVE, NEG or (-) first. Reconnect that cable last. • In case of accident caused by electric shock, immediately shut down the source of electrical power. If this is not possible, attempt to free the victim from the live conductor. AVOID DIRECT CONTACT WITH THE VICTIM. Use a non-conducting implement, such as a rope or board, to free the victim from the live conductor. If the victim is unconscious, apply first aid and get immediate medical help.
<p style="text-align: center;">FIRE HAZARDS</p> <ul style="list-style-type: none"> • Gasoline is highly FLAMMABLE, and its vapors are EXPLOSIVE. Never permit smoking, open flames, sparks or heat in the vicinity while handling gasoline. • Never add fuel while unit is running or hot. Allow engine to cool completely before adding fuel. • Never fill fuel tank indoors. Comply with all laws regulating storage and handling of gasoline. • Do not overfill the fuel tank. Always allow room for fuel expansion. If tank is over-filled, fuel can overflow onto a hot engine and cause FIRE or an EXPLOSION. Never store generator with fuel in tank where gasoline vapors might reach an open flame, spark, or pilot light (as on a furnace, water heater or clothes dryer). FIRE or EXPLOSION may result. Allow unit to cool entirely before storage. • Never operate the generator if connected electrical devices overheat, if electrical output is lost, if engine or generator sparks or if flames or smoke are observed while unit is running. • Never start or stop the unit with electrical loads connected to receptacles AND with connected devices turned ON. Start the engine and let it stabilize before connecting electrical loads. Disconnect all electrical loads before shutting down the generator. 	

2. PRODUCT OVERVIEW


MODEL NAME	Blink Mobile Charger
PART NUMBER	01-0401
PRODUCT VIEW	

Table 1: Product Overview



The *Generator* is meant exclusively for EV Charging using *Blink HQ 200 Smart*. The use of the *Generator* for OTHER APPLICATIONS is NOT RECOMMENDED by Blink Charging. This can void Blink warranty on the Mobile charger product.

3. INSTALLATION INSTRUCTIONS

3.1. Package Contents

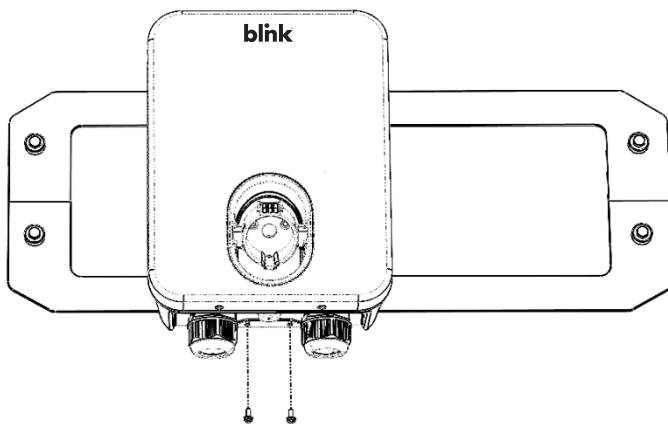
Sr. No.	Part	Quantity
1.	Generator	1
2.	HQ 200 Smart	1
3.	M4 Torx Screws	2
4.	Included T20 Torx Driver	1
5.	Generator Wheel Kit	1

Table 2: Package Contents

Note: M4 Torx screws and T20 Torx drivers are provided to mount HQ 200 Smart Charger to the Mobile Generator as shown in Section 3.2.

3.2. Hardware Installation Steps

1. Unbox the Mobile Charger
2. Slide the back of the HQ 200 Smart on to the mounting bracket
3. Use two M4 Torx screws to secure the bottom of the HQ 200 Smart as shown below



4. Plug in the NEMA 14-50 plug and ensure plug is fully seated

3.3. Instructions for Installing Battery

For Safety Instruction and Installation of an external battery for electric start of the Generator, refer to the Generator Manual via link provided in [References](#).

Getting Started → Battery cable connection

4. MOBILE CHARGER OPERATIONS

4.1. Safety Instructions

- Disconnect all electrical devices from the Generator and switch off the circuit breaker before starting the engine.
- The Generator may be hard to start with electrical devices.
- The Generator must be properly connected to an appropriate ground



WARNING:

This **engine is not filled** with oil at the factory. Any attempt to crank or start the engine before it has been properly filled with the recommended type and amount of oil may result in engine damage and void your warranty.



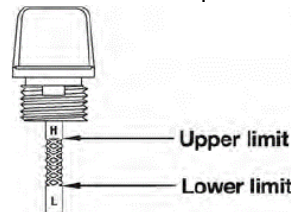
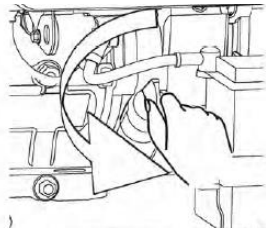
WARNING:

DO NOT keep the Mobile Charger, close to the vehicle (3 feet away). Face the EXHAUST AWAY from vehicle and people.

Note: Failure to properly ground the generator can result in electric shock.

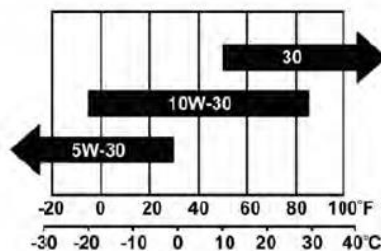
4.2. Engine Oil

- Place the generator on a level surface with it stopped
- Remove the dipstick and wipe it clean
- Add recommended oil to the upper limit
- Reinstall dipstick into tube, rest on oil fill neck, DO NOT thread cap into tube
- Remove the dipstick again and check oil level. Level should be at top of indicator on dipstick



- Fill to the upper limit of the dipstick with the recommended oil if the oil level is low
- Reinstall and fully tighten the dipstick

Recommended engine oil: SAE 10W-30 is recommended for general, all-temperature use. Other viscosities shown in the chart may be used when the average temperature in your area is within the indicated range.



4.3. Engine Fuel

- With the engine stopped, check the fuel level gauge. Refill the fuel tank if necessary
- Use clean, fresh, regular unleaded gasoline with a minimum octane rating of 87. DO NOT mix oil with gasoline or use gasoline older than 30 days. DO NOT use gasoline that contains more than 10% ethyl alcohol. E15, E20, and E85 are NOT approved fuels and should NOT be used
- Be sure not to fill the fuel tank above the upper limit mark
- Always allow room for fuel expansion



WARNING:

DO NOT fill the fuel tank above the maximum fuel level. Over fill will result in engine die and void your warranty

4.4. Starting the Mobile Charger

1. Make sure the engine oil and engine fuel are per the guidelines in [section 4.2](#) and [4.3](#)
2. Turn *fuel valve* to the "ON" position
3. Pull the *choke valve* to "Close/Choke" position
4. a. Manual Start: Seize the starter handle and slowly pull until there is a sense of resistance felt and quickly pull to start
- b. Electric Start: Turn and keep the key to "START" position till the engine is started. After the engine is started, release the key to return to "ON" position



4.5. Stopping the Mobile Charger

1. Remove all loads on generator.
2. Remove the plug of all electric equipment from the generator panel.
3. Allow the generator run at no load for a few minutes to stabilize internal temperatures.
4. Turn the key to "OFF" position.



5. Turn the fuel valve to "OFF" position.



WARNING:

DO NOT keep the Mobile Charger, close to the vehicle (3 feet away). Face the EXHAUST AWAY from vehicle and people.

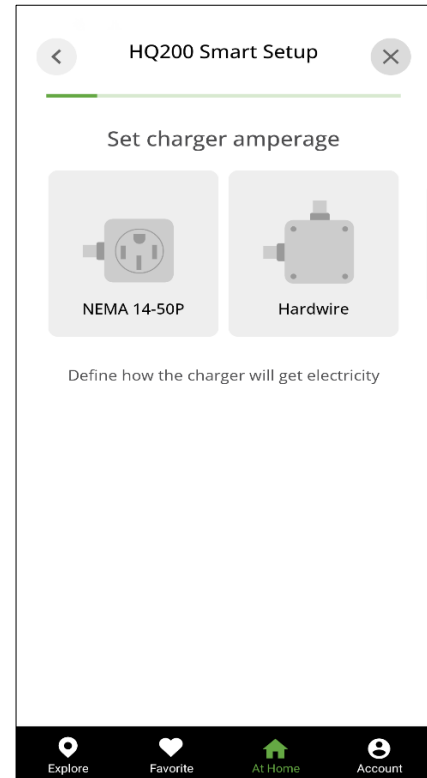
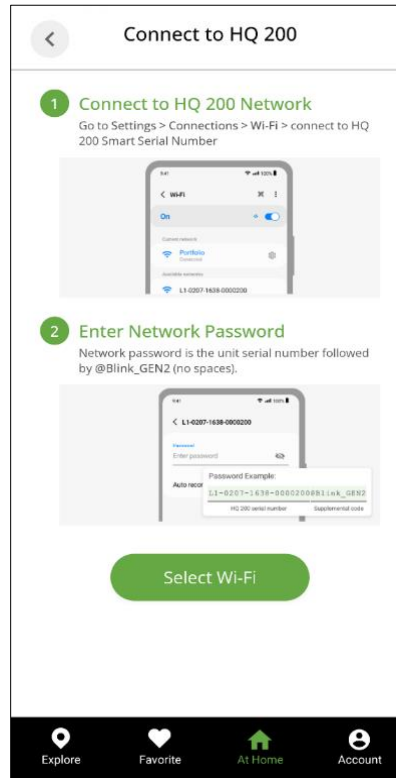
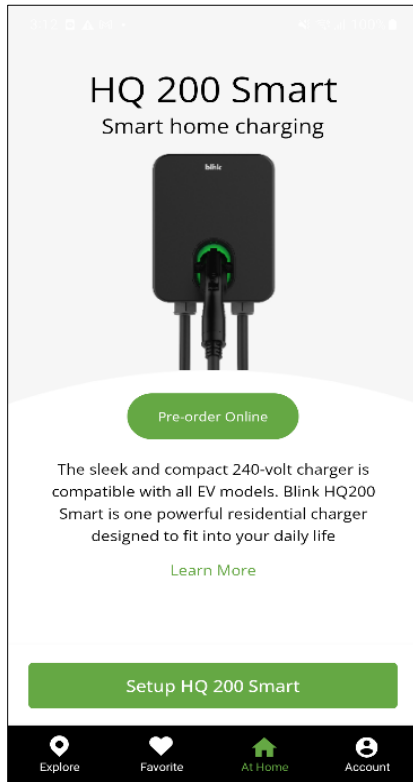


WARNING:

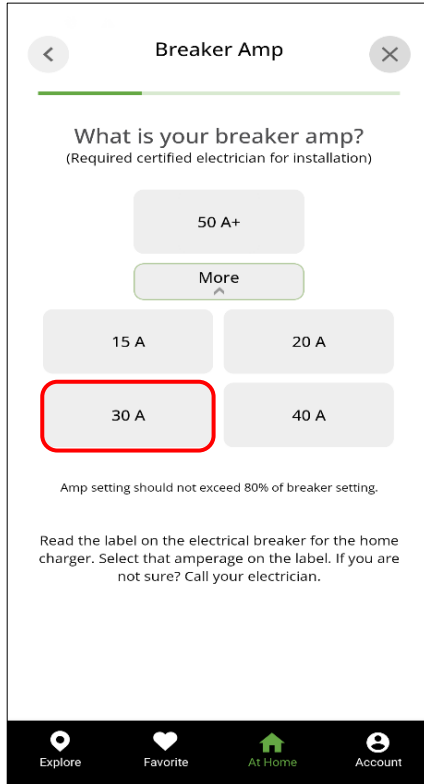
NEVER Stop the engine with the electrical devices connected and with the connected devices turned "ON"

5. BLINK MOBILE APP SETUP

5.1. Charger Configuration



1. Login to Blink Account
2. Blink App -> Select "At Home"
3. Select "Setup HQ 200 Smart"
4. Look for the Serial Number on the HQ 200 Smart Label. Follow the on-screen Instructions to connect to the charger
5. Select "NEMA 14-50P"



6. Select "30 A", for Blink Mobile charger



7. Connect to your personal Wi-Fi Network with active Internet

8. Enter the Location information after connected to the internet



9. Configuration successful

6. CHARGING OPERATIONS

6.1. START CHARGING

1. Power ON the Mobile Charger [Follow [Section 4.2](#)]
2. Wait for the light on HQ 200 Smart to turn Steady Green (*estimated wait time: 90 secs*)
3. Plug in the charging connector to the vehicle (*LED turns to Green Flashing*)

6.2. STOP CHARGING

1. Disconnect the charger connector from your vehicle
2. Power OFF the Mobile Charger [Follow [Section 4.3](#)]

6.3. CHARGING STATUS INDICATORS

LED Indicator	Description	Definition
	Not Illuminated	Power Off
	Green Steady	Ready
	Green Flashing	Flashing Green (Fast): Authorized, wait for EV Connect Flashing Green (Slow): Suspend (Occupying)
	Blue Flashing	Flashing Blue (Slow): Charging
	Red Steady	Unrecoverable Fault
	Red Flashing	Recoverable Fault
	Pink Steady	Reserved (from OCPP Service)
	Yellow Steady	Power On / Device Unavailable
	Yellow Flashing	Booting / Firmware Upgrading / Out of Service
	Blue Steady	DIP Switch Reset

Table 3: LED Status Indicators

7. GENERATOR MAINTENANCE

7.1. Maintenance Schedule

		Each Time before use	First month or 10 hours **	Every 3 months or 50 hours **	Every 6 months or 100 hours **	Every year or 300 hours **
Engine Oil	Inspection	✓*				
	Replacement		✓	✓		
Air Cleaner	Inspection	✓				
	Cleaning			✓***		
Spark Plug	Inspection and adjustment				✓	
	Replacement					✓
Spark Extinguisher *	Cleaning				✓	
Valve Clearance	Inspection and adjustment					✓
Carbon Canister *	Inspection	Every 2 years****				
Low permeability oil tube *	Inspection	Every 2 years****				
Oil Tube	Inspection	Every 2 years****				
* Applicable Types ** Before each season and after then (whichever comes first) *** Service more frequently under severe, dusty, dirty conditions **** To be performed by knowledgeable, experienced owners or the authorized dealers						

For detailed instructions on each maintenance step, follow the [Generator Manual - Maintenance Section](#)

8. GENERAL CARE

The exterior of the EVSE is designed to be waterproof and dust proof. To ensure proper maintenance of the EVSE, follow these guidelines:

- Despite the water resistance of the enclosure, when cleaning it is preferred to not direct streams of water at the unit. Clean with a soft, damp cloth.
- Make sure the charging plug is put back in the holster after charging to avoid damage.
- Ensure the power cable is stored on the EVSE after use to avoid damage.
- If the power cable or the charging plug is damaged, please contact Customer Support.

9. SUPPLEMENTAL INFORMATION

9.1. Customer Support

For technical support contact: +1 (888) 998-2546

9.2. References

For Technical Specifications of the HQ 200 Smart, Troubleshooting, Maintenance, or disposal safety instructions, refer to the links below.

HQ 200 Smart: [Download HQ 200 Smart Manual](#)

Generator: [Download Generator Manual](#)