

## I INMOTION S1F

# INMOTION S1F Electric Scooter User Manual

Model: S1F

## 1. PRODUCT OVERVIEW

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The INMOTION S1F Electric Scooter is designed for adult commuters, offering robust performance and enhanced safety features. It is built to accommodate heavier riders and provides a comfortable, long-range riding experience.

- **UL 2272 Safety Certified:** The S1F electric scooter has successfully passed the UL 2272 safety test, ensuring high standards of reliability and safety.
- **Heavy-Duty Design:** Engineered to support riders up to 308 pounds, making it suitable for a wide range of users.
- **Extended Range:** Features a large battery capacity, allowing for travel up to 59 miles on a single charge.
- **Powerful Motor:** Equipped with a 1000W motor for strong acceleration and efficient hill climbing.
- **Comfortable Ride:** Includes 10-inch pneumatic tires and a dual suspension system for a smooth experience over varied terrain.
- **Enhanced Safety:** Features a dual braking system and integrated turn signals for improved visibility and control.
- **Convenient Portability:** Designed for quick folding in approximately 1 second, facilitating easy storage and transport.



Figure 1.1: The INMOTION S1F Electric Scooter in its upright position.



308 LBS

# A Dedicated Scooter For **Big Guys**

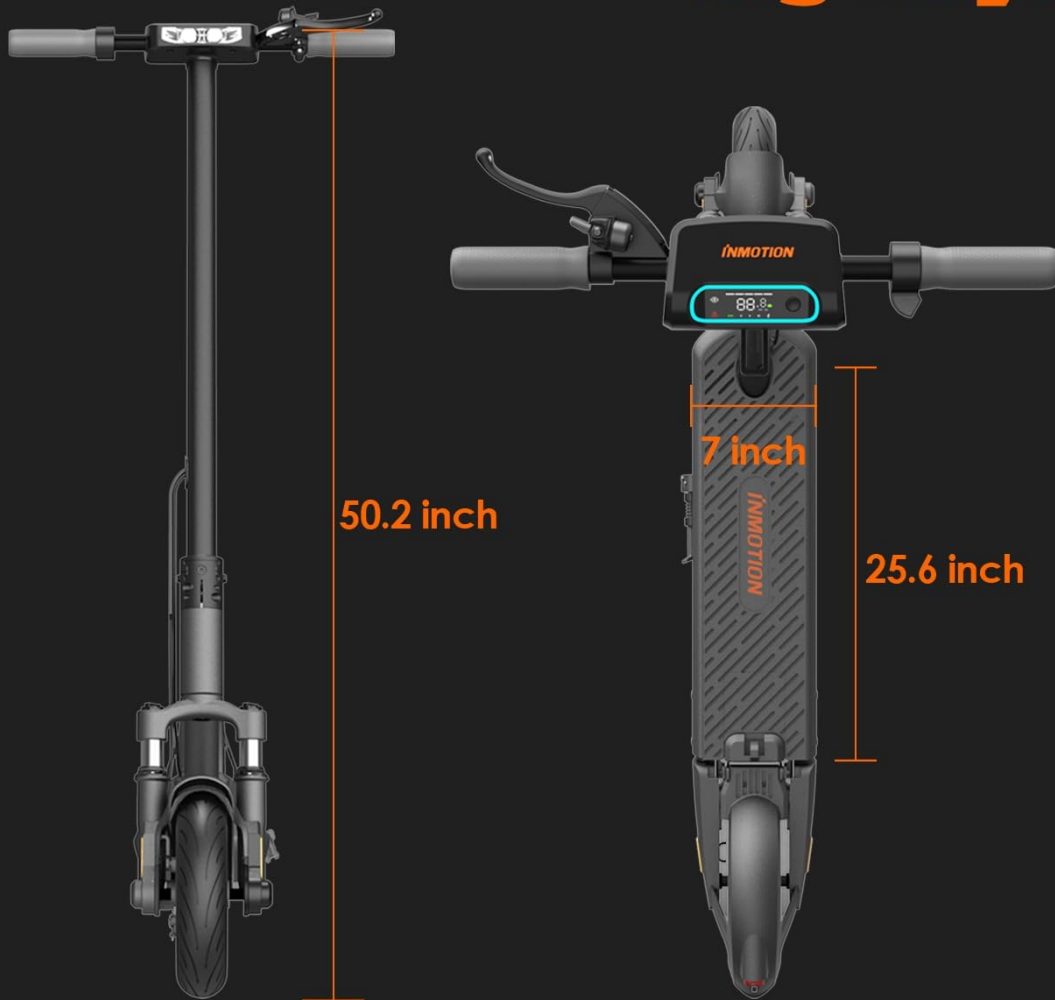


Figure 1.2: Scooter dimensions (50.2 inches height, 25.6 inches length) and maximum weight capacity of 308 lbs.

Speed up to **24.8 Mph**

**1000W** Peak Power

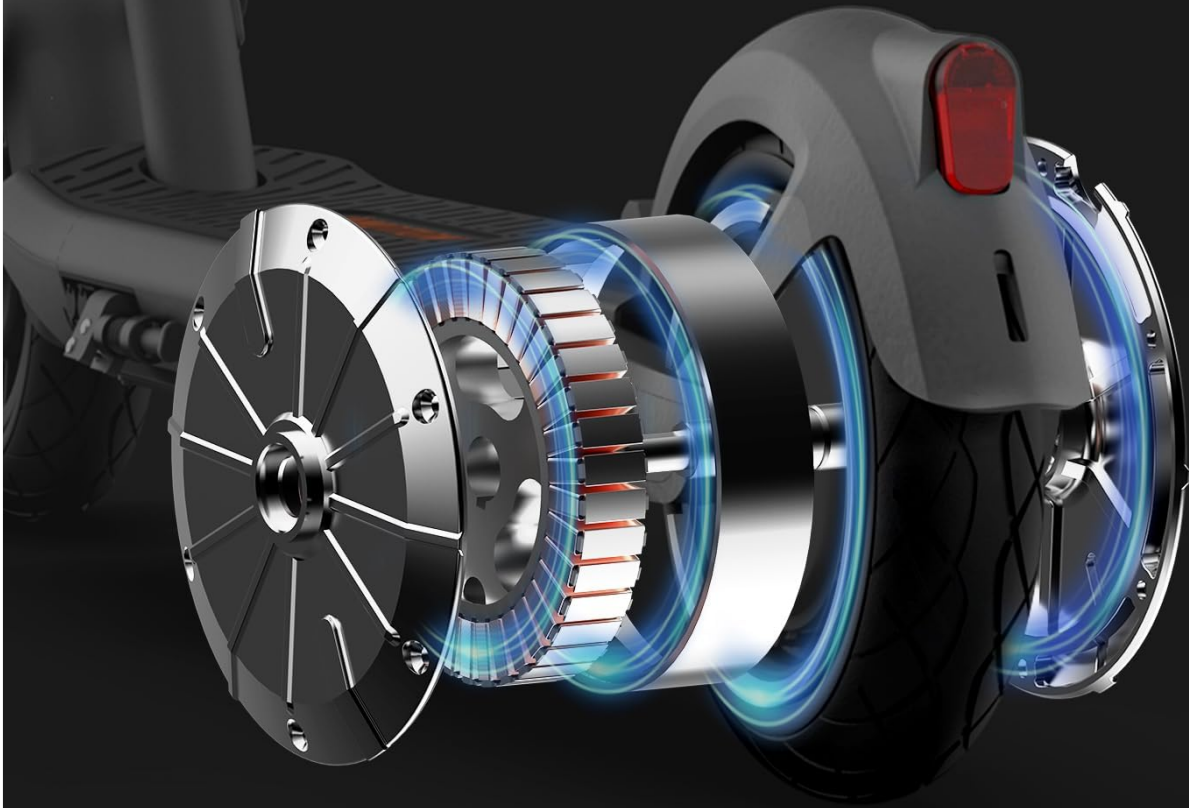
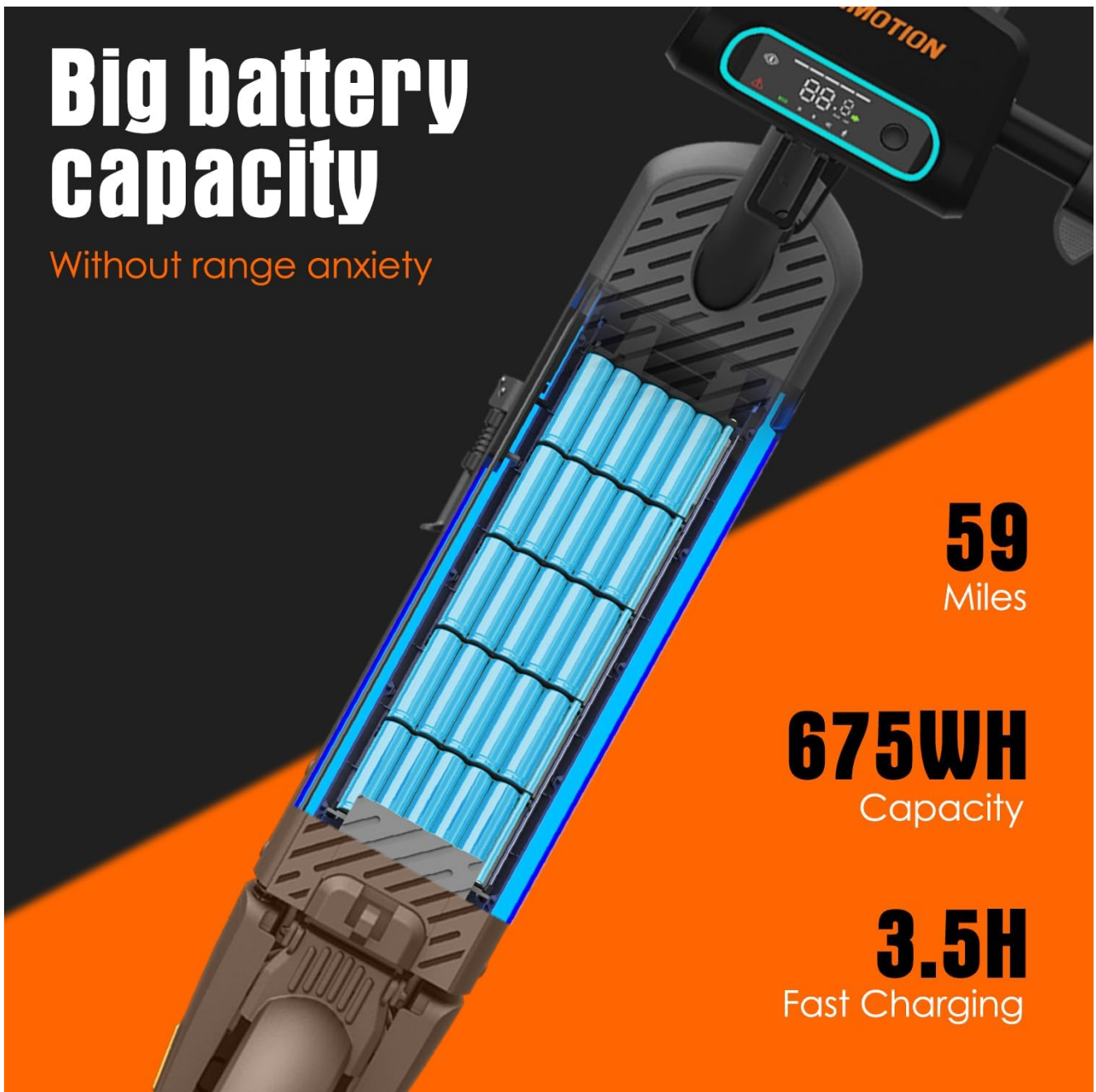


Figure 1.3: Diagram illustrating the 1000W peak power motor for the S1F scooter.

# Big battery capacity

Without range anxiety



**59**  
Miles

**675WH**  
Capacity

**3.5H**  
Fast Charging

Figure 1.4: Internal view showing the 675Wh battery capacity, providing up to 59 miles of range with 3.5 hours fast charging.

# Dual shock-absorbing design

Front and rear wheel suspension for a comfortable ride.



Figure 1.5: Illustration of the dual shock-absorbing design with front and rear wheel suspension for a comfortable ride.



Figure 1.6: Summary of key features including 1000W max power, 25 mph max speed, 30% max slope, 59 miles max range, 308 lbs max loading, 7 hours charging time, 675 Wh battery capacity, and 10 inch tire size.

## 2. SETUP AND ASSEMBLY

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The INMOTION S1F Electric Scooter comes largely pre-assembled. Follow these steps to prepare your scooter for its first use:

1. **Unboxing:** Carefully remove the scooter and all components from the packaging. Ensure all accessories, including the user manual and any tools, are present.
2. **Handlebar Installation:** Attach the handlebar to the main stem. Secure it firmly using the provided screws and tools, ensuring all connections are tight.
3. **Initial Charge:** Before the first ride, fully charge the scooter's battery. Connect the charger to a power outlet and then to one of the scooter's charging ports. The charging indicator will show when charging is complete.
4. **Tire Pressure Check:** Verify that the 10-inch pneumatic tires are inflated to the recommended pressure as specified in the detailed user manual.
5. **Brake Check:** Test both the front and rear brakes to ensure they are functioning correctly and provide adequate stopping power.
6. **Folding Mechanism:** Familiarize yourself with the quick-folding mechanism. Practice folding and unfolding the scooter to ensure smooth operation.

Refer to the included 'Unboxing Instruction Manual' for detailed visual guides on assembly.

## 3. OPERATING INSTRUCTIONS

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Operating your INMOTION S1F Electric Scooter involves understanding its controls, riding modes, and safety features.

### 3.1 Controls and Display

- **Power Button:** Located on the display, press to turn on/off.
- **Throttle:** On the right handlebar, controls acceleration.
- **Brake Levers:** Separate levers for front and rear brakes provide responsive stopping.
- **Integrated Display:** Shows speed, battery level, riding mode, and other essential information.
- **Headlights:** Dual LED lights on the front for nighttime visibility.
- **Turn Signals:** Professional turn signals are integrated for clear indication of turns, enhancing safety during night rides.

# Professional turn signal

Make your nighttime cycling safer



Figure 3.1: The scooter features professional turn signals (blue for left, red for right) for improved visibility and safety.

## 3.2 Riding Modes

The S1F offers multiple riding modes to suit different preferences and conditions, with a maximum speed of 25 mph.



Figure 3.2: The scooter offers three distinct riding modes to explore, with a maximum speed of 25 mph.

### 3.3 Performance Capabilities

- **Top Speed:** Up to 25 MPH.
- **Maximum Range:** Up to 59 miles on a single charge.
- **Hill Climbing:** Capable of ascending inclines up to 30%.



Figure 3.3: The 1000W motor and rear-wheel drive allow the S1F to effortlessly conquer slopes with up to a 30% incline.

### 3.4 Charging

The S1F is equipped with two charging ports for convenience. A full charge takes approximately 3.5 hours.



Figure 3.4: The scooter features a large 675Wh battery capacity, providing a long range of up to 59 miles.

### 3.5 Mobile App Integration

The INMOTION S1F can connect to a mobile application, offering additional control and monitoring features. Through the app, users can:

- Toggle light effects and cruise control.
- Adjust settings such as starting from a dead stop or downhill assist.
- View total mileage, trip mileage, and ride time.
- Electronically lock the scooter for added security.

## 4. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your INMOTION S1F Electric Scooter.

- **Tire Care:** Regularly check the pressure of the 10-inch pneumatic tires and inflate them to the recommended PSI to ensure a smooth ride and prevent punctures.
- **Brake System:** Periodically inspect the dual braking system for wear and tear. Ensure brake levers are responsive and brake pads are in good condition. Adjust or replace components as necessary.
- **Cleaning:** Keep the scooter clean by wiping it with a damp cloth. Avoid using high-pressure water jets directly on electronic components.
- **Battery Care:** To maximize battery life, avoid fully discharging the battery frequently. Store the scooter in a cool, dry place and charge it regularly, even when not in use for extended periods.
- **General Inspection:** Routinely check all screws, bolts, and folding mechanisms for tightness. Ensure all lights and the display are functioning correctly.

## 5. TROUBLESHOOTING

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This section provides general guidance for common issues. For specific problems not listed here, please refer to the comprehensive user manual or contact customer support.

- **Scooter Not Turning On:** Ensure the battery is charged. Check all cable connections.
- **Reduced Performance/Range:** Verify tire pressure. Ensure the battery is fully charged. Riding conditions (e.g., steep inclines, heavy loads, cold weather) can affect performance.
- **Brake Issues:** Inspect brake cables and pads for wear. Adjust cable tension if brakes feel loose.

- **Unusual Noises:** Check for loose components or debris caught in the wheels or suspension.

## 6. SPECIFICATIONS

Feature	Specification
Brand	I INMOTION
Model Name	S1F Scooter
Color	Black
Age Range (Description)	Adult
Special Features	Dual Braking System, Dual Charging Port, Dual Suspension, Foldable, Long Range
Weight Limit	308 Pounds
Product Dimensions (L x W x H)	48"L x 22"W x 10"H
Number of Wheels	2
Wheel Material	Rubber
Frame Material	Aluminum
Item Weight	65 Pounds
Handlebar Type	Fixed
Wheel Size	10 Inches
Wheel Type	Pneumatic
Suspension Type	Dual Suspension
Brake Style	Front Braking, Rear Braking
Charging Time	3.5 Hours
Maximum Distance Range	59 Miles
Manufacturer	INMOTION
Material	Aluminum, Iron, Plastic, Polypropylene
Part Number	IMSCV-HK-S1F
Style	S1F
Included Components	1 x Electric Scooter, 1 x Unboxing Instruction Manual, 1 x User Manual, Accessories



Figure 6.1: Recommended rider height (4'92" - 6'6" FT), maximum load-bearing capacity (308 lbs), and net weight (52.8 lbs).

## 7. WARRANTY AND SUPPORT

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INMOTION is dedicated to providing excellent customer service and support for its products.

- **Warranty Coverage:** A one-year warranty is provided for all scooter components. The battery is covered by a six-month warranty.
- **Customer Support:** For any inquiries, technical assistance, or warranty claims, please contact INMOTION customer support. Refer to the official INMOTION website or your purchase documentation for contact details.