



QUICK START GUIDE

WAVERUNNER

TIDAL

DRIFT

Please read carefully prior to operating your new scooter



Tel: 01253 609 311

info@mobilityscootersblackpool.co.uk

www.msbmobility.co.uk

81 Ansdell Road, Blackpool, FY1 6PX

Main Features

Lead-Acid Battery

A well-established technology with stable, reliable performance.

Simple structure, proven recycling methods, and high reuse value.

Easiest type of battery to recycle and reuse.

Lithium Battery

Certified safe and reliable through CE and safety inspections.

Lasts up to three times longer than lead-acid batteries, with little need for replacement.

Weighs only one-third of a lead-acid battery, making it much lighter.

Provides higher voltage, greater power, faster acceleration, and more energy efficiency.

Considered a green energy source with no pollution during production or use.

Battery Placement

Hidden beneath the seat for added safety.

Motor

Built with high-quality magnetic steel, durable silicon steel sheets, thick coils, precision bearings, and a solid shaft for strength and long life.

Tires

Vacuum tires that are puncture-resistant, highly durable, and provide strong grip and stability.

Shorter braking distance, safer rides, and no worries about flats.

Comfortable and smooth performance.

Frame

Designed with 3D virtual modeling and assembled using advanced automatic pipe bending and robotic welding.

Equipped with large, non-slip frosted pedals for safe riding whether sitting or standing.

Disc Brake

Hydraulic disc brakes made with aluminium alloy forging and CNC processing.
Responsive, flexible, and reliable braking performance.

Steering

Ergonomic, streamlined design that is sturdy and easy to handle.

Handlebar Grips

Made with soft rubber using injection moulding for a comfortable feel.

Seat Cushion

Constructed with a durable plastic base, high-elastic foam, and premium anti-slip leather.
Designed for comfort, with proper height for long rides.

Smart Charger

Portable and automatic design.

Can recharge anywhere with an AC power supply, with no monitoring required.

Safety First

- Follow traffic rules — keep speed under 8 mph (check local limits).
- Practice first — read this guide, then practice in an open space until comfortable.
- Never lend to inexperienced riders. Avoid one-handed riding or riding under the influence.
- Bad weather — ride slowly on wet or snowy roads. Brake earlier than usual.
- Dress smart — wear clothes that allow free movement and low-heeled shoes.
- Weight limit — maximum load 200 kg / 1 person. Don't carry heavy cargo on the pedals.

Riding & Parking

- Sit in the centre of the seat for stability.
- Turn gradually — avoid sharp movements.
- Slow down on rough or damaged roads.
- Never ride if water is above the battery box.
- Park on flat ground, turn off power, and lock the handlebars.

Battery & Charging

- Use only the supplied charger.
- Connect charger to the battery first, then to the wall.
- Indicator: Red = charging, Green = full.
- Recharge immediately when only 1 bar remains.
- If unused for over a month, keep battery at 60–80% charge and recharge every 3 months.
- Avoid heat, water, or flammable areas while charging.
- Dispose of batteries properly — never throw away casually

Brakes & Controls

- Adjust brake clearance if needed (see dealer if unsure).
- During the first week, use brakes gently for best performance.
- Replace brake pads when worn.
- Keep brakes free from oil, dirt, or water.
- Throttle grip — twist to accelerate, release to slow down.
- Steering lock — always lock and remove the key when parking.

Before riding:

- Brakes — responsive and smooth.
- Tires — no cracks, sharp objects, or heavy wear. Pressure: 1.5 kg/cm².
- Battery — charged and working.
- Steering — tight, no looseness or strange sounds.

Part Identification



No.	Part Name	No.	Part Name	No.	Part Name
1	Rear View Mirror	6	Disc Brake Pump + Brake Disc	11	Armrest
2	Headlights	7	Throttle Grip	12	Rear Trunk
3	Front Turn Signal	8	Brake Lever	13	Taillight
4	Tires	9	Parking system	14	Charging Port
5	Aluminum Wheels	10	Steering Lock	15	Anti-Tip Wheel

Main Technical Parameters

1.Product Size : 1400* 720* 1000mm

2.Wheelbase : 1020mm

3.High : 939.8mm

4.Weight : 82kgs

5.Tire specifications : 3.0-10 Vacuum tire

6.Maximum load : 150kgs

7.Design top speed : 8-15 mp/h

8.Range : 40 ~ 60 km

9.Maximum climbing : $\leq 18^\circ$

10.Brake Type : Front Disk Brake and Rear Drum Brake II. Main

technical parameters of battery

1.Battery type : Lead-acid batteries/Lithium-ion batteries 2.Capacity

: 20AH

3.Nominal voltage : 48V/60V III.

Main technical parameters of motor

1.Motor models : Brush-less DC motor Hub

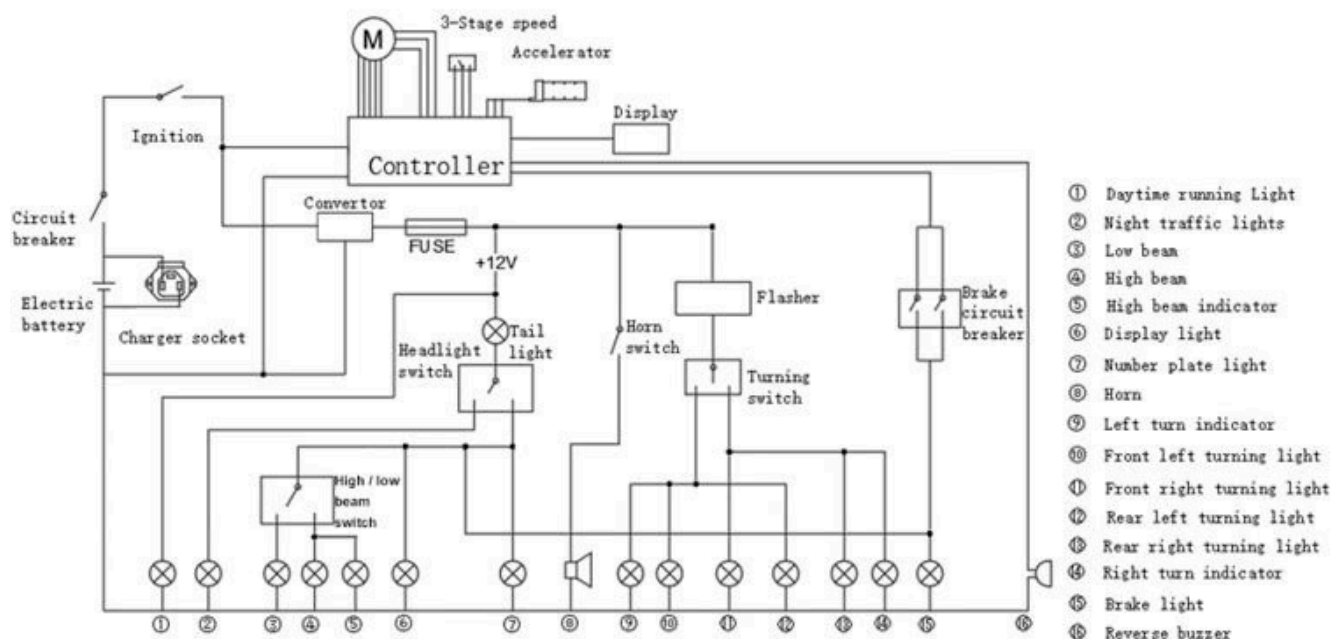
2.Rated power : 500W/650W/800W/1000W IV.

Charger main parameters

1.The input voltage (ac) : 100-240VAC 50/60HZ

2.Charging time (the remaining power the case may be) : 6 ~ 8 h 50/60HZ

Electrical Principle





- 1: High beam, low beam
- 2: Left and right turn signal
- 3: Turn signal reset
- 4: Horn



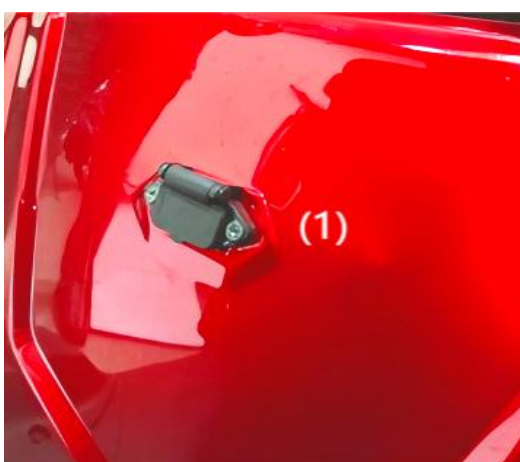
- 1-1: Press upward to activate hazard lights
- 1-2: Press downward to deactivate hazard lights
- 2: Headlight / 3: Position lamp
- 4: Parking brake / 5: Gear
- 6: Reverse



- 1: Parking system



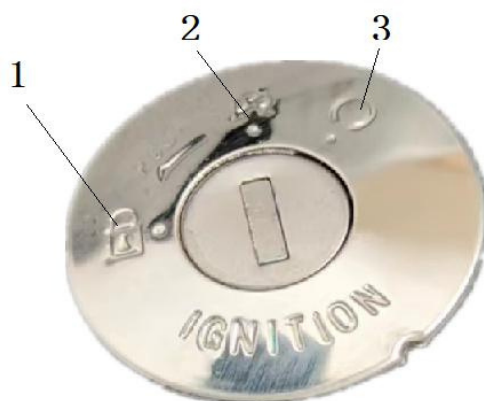
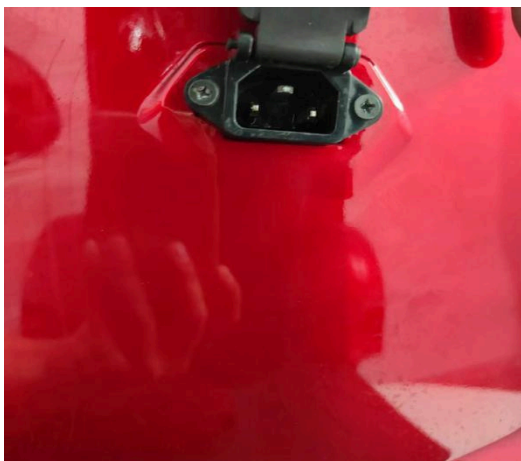
- 1: Steering lock



- 1: Charging port



- 1: Seat bucket lock



- 1 Steering lock
- : Turn off
- 2 Turn on
- :
- 3
- :

- 1: Lock
- 2: Unlock
- 3: Start (press 3 times in a row)
- 4: Find



Warranty information

Consumers are entitled to a 14-day cooling-off period from the date of purchase, during which they can return the product in unused condition for a full refund. Following the initial 14-day period, consumers have an additional 14 days to reject the product and receive a full refund, in accordance with the Consumer Rights Act and its terms. After 28 days from the date of purchase, returns will no longer be accepted, and items will be covered by the standard warranty terms associated with the product purchased. Should consumers wish to return the item during either the cooling off period or within the 28 days from the date of purchase, the seller will arrange for collection within Blackpool postcode areas. Customers outside of the FY postcode area are subject to a £99 fee for collection of the item.

Limitations on Returns

Consumers do not have legal rights to return items if:

- The item was damaged by accident, misuse, or normal wear and tear.
- The consumer was aware of the fault before purchasing.
- The consumer bought the item in the wrong size.
- The consumer changed their mind.
- The item was an unwanted gift.

All new mobility scooters and powered wheelchairs come with a 12-month warranty. This warranty covers the cost of parts, labour, repairs for sudden or unforeseen mechanical or electrical faults, and callout fees. However, the warranty does not cover:

- **Accidental damage**
- **Servicing**
- **Consumable items like batteries**
- **Wear and tear**
- **Punctures**
- **Water damage**

Reporting Issues

Should there be an issue with your scooter or wheelchair, this must be reported immediately upon receipt of the item by calling our office at 01253 609 311.

Nationwide Breakdown Assistance

Included Breakdown Assistance for New Scooters: 12 months of nationwide breakdown assistance is automatically included with the purchase of all new mobility scooters and powered wheelchairs. This assistance is provided in partnership with Autohome. For further details on breakdown cover, please visit the Autohome website or see Autohome information sent out to you in the post when you purchased your scooter.

Maintenance record

Date	Repair content	Note

No	Performance	Reason	Solution
1	Speed regulation failure or maximum speed reduced	①The battery voltage is too low; ②Speed control to turn the failure; ③Transfer speed in the spring stuck or failure;	①Full of battery; ②Looking for distributors to replace;
2	The motor power does not work	①The battery's connection is loose; ②Speed control to turn the failure; ③The motor output line is loose or damage;	①Reconnection; ②Looking for distributors to replace; ③Maintenance;
3	Lock of mileage range	①Tire pressure is no sure; ②Under charge or charger malfunction; ③The battery aging or damaged; ④Complex road conditions;	①Make sure of tire pressure; ②Full of charge or replace the charger; ③Replace the battery; ④Cycling conditions change is back to normal;
4	The charger is not working	①Socket and plug connection is loose; ②Battery compartment within the fuse blew out; ③Cable fall off;	①Make sure of socket and plug; ②Replace the fuse; ③Welding the cable;
5	Other	Cannot determine the fault	Looking for distributors or professional maintenance depot