User Manual

Sherman max

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Instructions for Use

Please read the manual carefully to understand the performance parameters of this product in details, and observe the use behaviors indicated in this manual to avoid unnecessary losses and injuries, otherwise you need to bear all the consequences arising therefrom.

● This product is strictly forbidden to ride on the motor vehicle lane. Be sure to comply with local laws and regulations. Do not use this product in areas prohibited by laws and regulations. Do not use this product beyond the speed set by local laws and regulations.

● The following persons are prohibited from riding this product.

People who are under the influence of drugs or alcohol and have limited mobility and reaction ability. Or suffer from high blood pressure, cardiovascular and cerebrovascular diseases or other high-risk diseases.

Minors under 14 and seniors over 60.

● Do not use this product in dark or obstructed sight, or on slippery, stagnant water, or pothole light.

● Do not ride at high speed or violently accelerate or decelerate when the battery power is low.

● Do not perform all dangerous actions like jumping, one-legged, backward, manned, speeding, etc.

● Before using this product, please wear a helmet, knee pads, elbow pads, gloves and light protectors.

● In places where there are people or obstacles, please reasonably control the speed and prohibit speeding.

● This product is forbidden to be disassembled or repaired by non-professionals. Disassembling the machine by yourself will no longer enjoy the product warranty service.

● Activation with charger for first use.

This product will be constantly improved and changed during the production or sales process. If there is any discrepancy with this manual, please refer to the actual product.

1. Product Description

Functional Diagram

Body

Standard Accessory

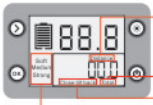
Charger

User Manual

LCD Screen

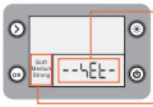
LCD panel

- LCD display function overview



- Distance--- Current ride mileage display
- Long pressing choosing button for 4 seconds to clear mileage.
- Total---Total mileage display
- Mode display
- Tilt-back speed display

- Long pressing OK button to enter setting mode, select items which need to be adjusted then press OK to adjust items.

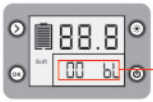


- Set ---Riding mode setting
- Soft ---Soft mode
- Medium ---Medium mode
- Strong ---Strong mode

- *PA ---Pedal angle setting

- Close tilt back -----Tilt-back speed setting

- *AL ---Speed alarm setting



- *bL ---Backlight setting

- *Level ---Calibration
  - Press OK button to make it loose balance. (LEVELO→LEVEL1)
  - Place it to the ideal angle
  - Press OK button again to finished calibration

  (LEVEL1→2 being calibrated 2→3 finished calibrated)

- *Sleep---Enter sleep mode
  - Pressing OK button for 9 times, when the display shows "9", press power button to power it of f to enter sleep mode.
  - After entering this mode, need to plug charger to power it on again.

- *Mile ---Switch to KMH(miles/hour) or MPH(kilometers per hour).

Product Specification

	Product Performance
Model name	Sherman max
Top free spin speed	98km/h
Safe riding speed	25km/h
Motor power	2800W
Battery	Samsung 50E 100.8V 3600WH
Max gradibility	30°
Operating temperature	-10-80℃
Max load	120kg
Charger	100.8V 5A
Charging time	8.5h
Color	Black
	Dimension and weight
Dimension	500mm x 195mm x 605mm
Net weight	39kg
Pedal dimension	250mmx130mm
Pedal altitude(from ground)	170mm
	Hardware
Mainboard	Customized connectors to fix wires firmly;12pcs Mosfets make it more durable.
Cooling fan	Dual cooling fans,set up at 45℃.
Tire size	20inch off road tire.
Trolley handle	Central mounted build in.
LCD panel	Display speed, battery voltage, mileage, mode switching, calibration, battery status etc.
Metal bars	Anti scratch of shells.
Charge port	Dual charge ports,support 10A max.
Headlight	1500lm modularization light.
Taillight	Turning, braking warning lights.
	Software
Incline protection	Stop rolling once wheel body inclining 45°
Speed limit	Can be set through LCD panel.
Low battery protection	Alarm at 78V, tilt back at 75.6V
Battery protection	Overcharged, over-discharged, Charging port out put short circuit protection
Mainboard over heat protection	85℃.
Calibration	Set through LCD panel.
	Package
Gross weight	44.5kg
Size	720mm x 590mm x 360mm

2. Maintenance

• Always use this product, pay attention to check whether the screws are loose on time.

• Check the tire pressure on time, the recommended pressure is 2.5-3.0pa.

• The vehicle should be parked in a dry area as much as possible.

• Try to avoid completely exhausting the battery before recharging.

• Avoid placing the battery in an environment that exceeds 50°C or -20°C.

• It is forbidden to use chargers other than the standard charger.

3. Warranty

Item	Warranty content	Start time
Main parts	Mainboard, motor	1 year
Battery and charger	Charger and battery	6 months

During the warranty period, the following conditions are not covered by the warranty and need to be repaired.

- Exceed warranty period.
- Man-made damage.
- Damage caused by force majeure.
- Failure to use, maintain, and adjust according to the requirements of the User Manual.
- Failure or damage caused by forced use of this product beyond normal use conditions.
- The product has been disassembled or maintained by non-authorized personnel of our company.
- Malicious damage to warranty content, car body information.
- Failure or damage caused by other non-product design, technology, quality, manufacturing and other problems.
- Natural wear without affecting function.

4. Warranty Card

Please keep the warranty card and use it as a credential during maintenance.

Model_____ Motor Code_____

Purchasing date_____day____month___year

Buyer's name_____

Phone_____ Address_____

Retailer_____ Address_____

Phone/tel_____

Warranty Record

Date			
Content			
Replacement spare parts			
Maintenance staff signature			
User signature			

FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modi fi cations to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

RF Exposure Information

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.