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Veteran Sherman-S v1.0

User Manual

IMPORTANT! Read carefully and keep for future reference.

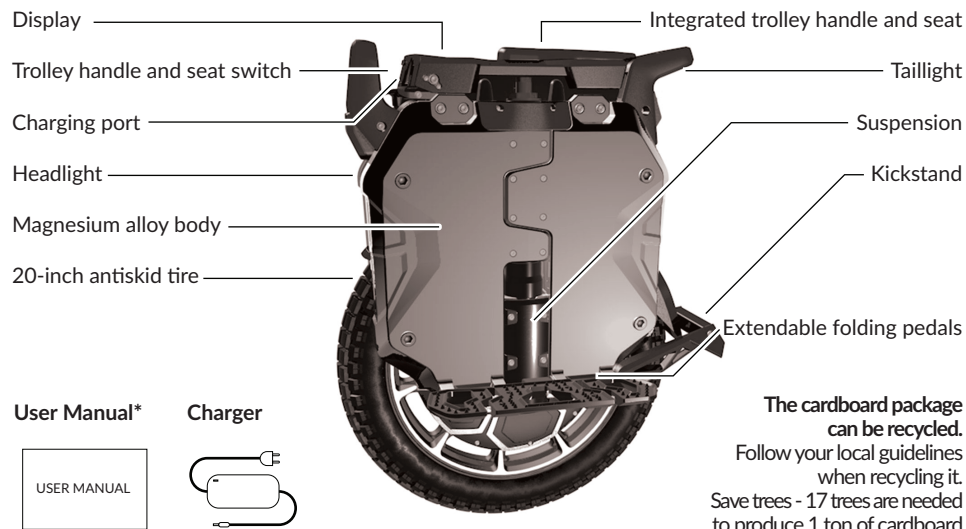
Veteran Sherman-S

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1. Package Contents and Product Diagram

Veteran Sherman-S



Check that all of the items pictured above are included in your unicycles package. If any are missing, please contact your dealer.

*In some cases the manual is sent in a digital form.

2. Settings

ON/OFF button - The electric unicycle can be switched on and off using the ON/OFF button. When switching on, hold the wheel in the upright position.

⚠️WARNING! Tilting the unicycle forwards or backwards will cause the wheel to move forwards or backwards respectively, maintaining the pedals in a horizontal position. When sideways, the wheel does not balance itself.

Transport mode - The new bike is in transport mode when packaged. To deactivate the transport mode, connect the charger to the wheels charging port then turn it on. The wheel is now in the riding position (balanced). In the same way, the wheel can be put back into transport mode later.

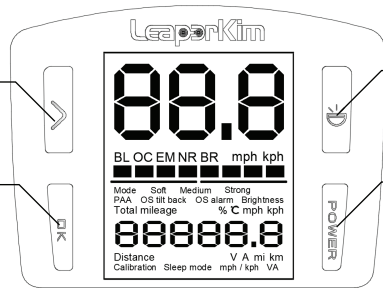
Smartphone app - You can use the DarknessBot IOS App, which can be found on the App Store or the EUCWorld Android App, which can be downloaded from Google Play.

Switch page

Short press to switch page
Long press to reset trip meter

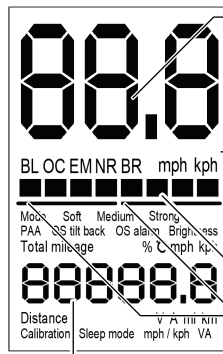
Function and confirm

Press for 3 seconds to enter settings menu
Press for 6 seconds to enter advanced mode
Press for 9 seconds to enter daily record

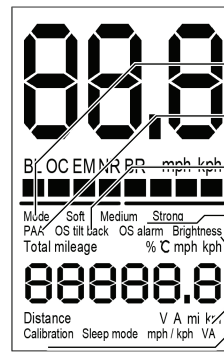


Headlight button

Power button
Long press to turn the wheel on or off
Short press to turn the taillight on or off



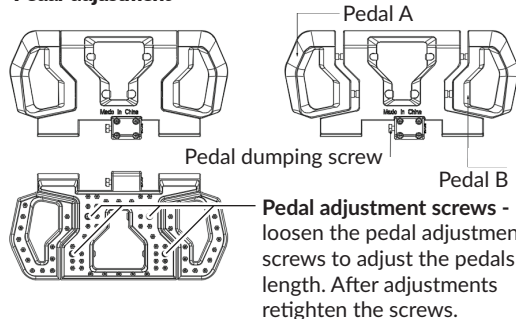
Speedometer
BL - left side battery pack fault.
BR - right side battery pack fault (on - overcharged, blinking - over discharged)
OC - over current warning
EM - motor fault
NR - motor stall
mph /kph - speedometer unit
Battery charge level
Battery communication status - on: normal blinking: signal lost



In the Settings menu
Mode setting - soft, medium or strong
PAA - balance adjustment. Set the default pedal angle.
OS tilt back setting - set the tilt-back speed
OS alarm setting - set the speed alarm speed
Screen brightness setting
VA - diplay voltage adjustment
Calibration

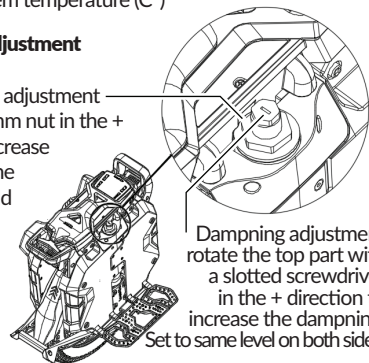
Data display - Odometer (distance), voltage (V), Phase current (A), Power system temperature (C°)

Pedal adjustment



Suspension adjustment

Spring preload adjustment rotate the 18mm nut in the + direction to increase the preload. The preload should be consistent on both sides.



3. How to ride an electric unicycle

1. Learning to ride an electric unicycle takes between 5 minutes and a few days, depending on the person. It's like learning to ride a bike again. It is advisable to take the basic training at the dealer who sold you the unicycle or under the guidance of an experienced rider. By scanning the QR code you will find a video to help you. It is essential that you wear a helmet, arm, knee and elbow protectors and ankle boots during your training and afterwards.

2. ALWAYS ride an electric unicycle with a helmet, arm, elbow and knee protection. We recommend the use of a helmet with chin protection, special protective clothing (motorcycle jacket and trousers) with back protection.

3. Direction signals must be signaled by hand, despite the fact that some unicycles have automatic direction lights. A right turn must be preceded by a right hand pointing with the straight hand, a left turn with the left hand. Braking - the brake light on the wheel should be illuminated as a braking signal, and the signal may also be given by raising the right hand. While driving, in addition to noticing what is in front of you and what is to your side, you must also be aware of what is behind you. If looking back over your shoulder does not seem safe, you should strap on a helmet or pick up a rear-view mirror.

4. When riding in the dark or in poor visibility, make sure your electric unicycle has working lights and that you are clearly visible to other road users. To ensure better visibility, it is advisable to attach an additional front and rear light to your helmet in addition to the headlight of your electric unicycle and to wear a reflective vest or reflective clothing.

5. Before riding a unicycle, find an opportunity to learn and practice riding in a safe area. If necessary, use the assistance of an instructor. Before riding on public roads, make sure that you can react to unexpected situations by braking suddenly or swerving if necessary.

⚠ WARNING! Braking abruptly or in a bend can cause loss of control, which can lead to serious injuries. serious injury. When driving, always ensure that your road is safe and drive at a speed appropriate to the driving conditions.

Braking distances increase in wet driving conditions.

6. Before riding a unicycle, understand the laws, rules and restrictions that apply to unicyclists. Unless expressly permitted by traffic law, do not ride an electric unicycle on the road. When riding on the pavement (if permitted by traffic law), do not obstruct pedestrians and other light traffic and do not exceed the maximum speed limit.

7. The manufacturer, the importer and the distributor shall not be liable for any accident or its consequences, whatever the cause, including technical failure, during the use of the electric unicycle. An electric unicycle is an electronic device which may have a technical defect, even if it is new or has been directly inspected. It is the responsibility of the user of an electric unicycle to choose a riding style that will limit injuries and damage in the event of unexpected failure.



<https://youtube.com/t6o8ZMlo5ko>

4. Charging

Before charging, turn off the unicycle. Plug the charger first into the wall and then connect it to the unicycles charging port

Charging from 0%-100% takes about 8 hours the standard charger and about half that with two chargers.

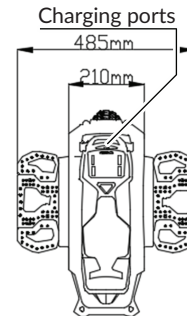
It is recommended to charge your unicycle at room temperature.

⚠ WARNING!

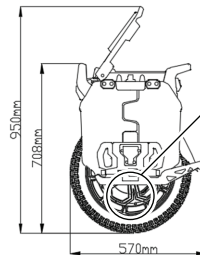
DO NOT charge the unicycle if the charge port or power cord is wet.

DO NOT charge or use your battery if it is damaged or see trace of water.

After charging always place the charging port cover back over the charging port.



5. Serial number



Veteran electric unicycles have a unique serial number. You are going to need this number when there is any problem or question you may have about your unicycle.

The serial number can be found on the rim of the unicycles motor or seen in the app.

Keep the serial number saved for future reference. You will also need the serial number in case you intend to have your unicycle insured.

6. Maintenance

Regularly check the condition of the tire and add pressure if necessary. The recommended pressure is between 2.5 and 3.0 bar, but it can be lower depending on the weight of the rider, driving style and tire type. NOTE: Riding with lower pressure can cause a puncture or damage to the rim. DO NOT ride an electric unicycle if the tire is damaged or does not hold air.

Ensure that the unicycles shell and other components remain tightly together, especially after falls or impacts, and that there are no cracks in the casing or between parts of the casing where dust and moisture can damage the wheel. If they occur, the wheel should be serviced immediately and repaired if necessary.

Compared to an electric scooter, an electric unicycle is (with careful use) much more maintenance-free, as there are no components that can become loose, such as the handlebars, the folding mechanism and the brakes. Nonetheless, there are also sensitive areas on the unicycle that require regular inspection and maintenance.

The maintenance intervals required for the warranty to be valid are: 1) 300km since purchase. 2) Every 1000km or at least once a year - regular maintenance. The maintenance is carried out by the official maintenance partner Voltride Service (voltride.com).

Cleaning - Use a damp soft cloth to clean the electric unicycle. Use a brush to clean dirt that is difficult to remove. DO NOT use alcohol or any other solvents to clean the electric single wheel. DO NOT use a pressure washer or water to clean the electric unicycle. Also, do not immerse the electric unicycle in water. The electric unicycle is not waterproof. Water damage will void the warranty.

Storage - Switch off the electric unicycle and disconnect the charger for storage. Ensure that the battery is approximately 50-60% charged. Check the battery charge level at least once every two months. If it has dropped, recharge the battery until it is about 50-60% charged. Store the electric unicycle in a dry room at a temperature of about 15-25°C.

⚠ WARNING! As with any mechanical component, the electric unicycle is subject to stress and wear during use. Different materials and components age and wear differently. If the expected service life of a component is exceeded, it may break unexpectedly, causing injury to the user. Cracks, scratches and discolouration indicate that a part under high stress has exceeded its service life and should be replaced. Such latent defects are checked during regular maintenance. At the same time, the user must also watch for such defects and service the wheel if necessary.

7. Specifications

Model	Veteran Sherman-S
Top speed*	25 km/h (limited)
Range*	up to 230km
Climbing Ability*	30°
Max Load	120kg
Rated Power	3500 W
Tire	20" pneumatic tire
Required height of user	120 - 200 cm
Required height of user	14+
Nominal Battery Voltage	86.4 V (24S8P)
Nominal Battery Capacity	3600 Wh
Battery Cells	Samsung 50E 21700
Charging Voltage	100.8 VDC
Charging Current	up to 15 A
Charging Time	3 - 8 h (8h with standard charger)
Working Temperature	-10 - +80 °C
Product Net Weight	44 kg
Pedal Size	130*280 mm - 130*330 mm
Lights	2000lm, 18W double headlight; rear turning braking and warning light
Suspension	90mm stroke

*Depends on the rider's weight, riding style, speed, terrain, temperature and wind.

8. Warnings



WARNING

Failure to follow these instructions might lead to serious injury.

DO NOT ride the electric unicycle in the rain or through puddles. Water damage is not covered under warranty and will void the warranty. It is forbidden to wash the electric unicycle with water or other liquids.

DO NOT ride the electric unicycle if it has been damaged in any way.

DO NOT ride the electric unicycle on stairs or over obstacles.

DO NOT store the unicycle in wet conditions or at temperatures below 15°C.

DO NOT modify the electric unicycle or use accessories not approved by the manufacturer.

DO NOT rest your feet on anything other than the pedals when riding.

DO NOT exceed the carrying capacity of the electric unicycle.

DO NOT use a mobile phone when riding a unicycle.

DO NOT touch the motor after riding. It may get hot during the ride.

DO NOT ride the electric unicycle with passengers. An electric unicycle is designed to transport one person.

DO NOT ride an electric unicycle if you are pregnant, have balance problems or other contraindications.

DO NOT ride an electric unicycle if you are under the influence of alcohol, drugs or other potent medications.


DO NOT attach objects to the electric unicycle that may impede steering or balance. The device is not designed for transporting objects.

DO NOT ignore warnings and malfunction messages on the screen, in the app on your smart device, or audio alerts on the electric recliner. In the event of such signals or messages, stop driving and contact a service centre. Riding an improperly serviced electric unicycle may result in an accident or failure of the unicycle and void the warranty.

This equipment is not intended for acrobatic use.

This equipment is not intended for commercial or rental use.

Always obey traffic laws and local requirements when riding an electric unicycle.

 **WARNING!** Failure to follow these instructions may result in serious injury and/or void warranty!

Be familiar with and take into account the overload and other protection functions and warnings programmed into the bike's software:

- Speed and acceleration limit according to rider weight, battery capacity and charge.
- Automatic switch-off if the unicycle's side inclination exceeds 45 degrees.
- Overheating protection. Control system max 85° and power system max 100°.
- Power short circuit protection.
- Battery over-voltage or undervoltage protection. Alarm at 78V, tilt back at 75.6V.

DO NOT rely solely on the above wheel protection measures - you are primarily responsible for your own safety. When the battery charge has dropped to 60%, avoid sudden accelerations and avoid riding at the maximum speed allowed by the wheel at that moment - the performance and safety of an electric unicycle is directly related to the battery charge level, which will decrease significantly as the battery is discharged

9. Contact

Manufacturer: Guangzhou Veteran-Leaperkim Intelligent Technology Co., Ltd.

Distributor: Fortunati Distribution Ltd.

Telliskivi 57D, 10412 Tallinn

Tel: +372 56 808 138

www.fortunati.eu

Warranty and official service support is provided by Voltride Service

Service Tel: +372 600 40 99 option #2

Service e-mail: service@voltride.com

www.voltride.com