

INSTRUCTIONS FOR USE
AT52314
Wheelchair, electric, outdoor



SPECIFICATION

Size after unfolding L 1050 W 550 H 870 mm
Folded size L 480 W 550 H 790 mm
Pack Size L 580 W 530 H 850 mm
Front wheel Full wheel 7 "x 2"
Rear wheel 8 "x 2" solid wheel
Maximum speed 0-6 km (3.7 mph)
Gradient 0-6 °
Turning radius 1,200 mm
Weight with battery 29 kg
Weight without battery 26.6 kg
Battery weight 2.4 kg
Intelligent, regenerative and electromagnetic braking system
20 km endurance range for a single charge
Drive system Rear-wheel drive
The ability to negotiate obstacles 40 mm
Max. lifting capacity 136 kg
Ground clearance 50 mm
Seat height 560 mm from the ground
24V 180W motor
24V 6AH battery charger for lithium battery (two batteries)
PG 45A controller
DC 24 V / 2 A battery charger
Braking distance of 3.01 m for a speed of 3.56 m / s
1S deceleration time
Alarm signal Buzzer
Charging time 6 hours
Variable speed form Voltage regulated speed
Removable and foldable Folding seat, removable battery
Charging current 2 A.
Maximum safe working slope to the rear 20.1 °
Maximum safe working slope up to front 30 °
Maximum safe working slope na 15.3 ° sides
Ground clearance 60 mm
Usable area and surroundings. Outdoor and indoor use



1. Control panel
2. Seating
3. Armrest
4. Plastic cover
5. PU solid wheel
6. Charging port
7. Footrest and battery holder
8. Decorative cover
9. Aluminum steering column
10. Fixing clamp



1. Speed control knob
2. Battery power indicator light
3. Horn button
4. Key switch
5. USB port
6. Direction control lever

CONTENTS OF THE SCOOTER BOX

When you receive your scooter, open the carton and check that the following items are present



MAIN PARTS FUNCTIONS

Steering rack set

Steering rack set including control panel (with battery status display and key switch, speed dial and horn), steering wheel, directional control lever.

The main utility functions are set.

Control panel

Note: Ambient humidity has a significant effect on the performance of the main parts. Before or during operation, it is strongly recommended to stay in an environment with low humidity.

The USB port is only used for charging the mobile phone.

Power switch

a. The power is turned on by turning the key switch clockwise and the scooter is ready to go.

b. The power turns off by turning the key counterclockwise and the scooter cannot be operated. After driving, turn off the power with the key.

Warning: When the power is turned off during operation, the scooter is suddenly and immediately stopped by the electromagnetic brake system.

Speed controller

The travel speed is regulated by turning the speed control knob with a finger, in the range from 0 km / h to 6 km / h at your discretion. Turn the knob all the way to the left for very low speed and to the right for high speed.

Warning: Always maintain a lower speed when cornering or backing up for safety.

Display

The battery charge status is shown on the display when the power is turned on.

Control panel

Travel direction control lever

The direction of travel forwards and backwards is controlled by the control lever.

- Gently hold the steering wheel with both hands.
- The scooter drives forward by pulling the lever on the right side with your fingers.
- The scooter rides backwards by pulling the lever on the left side with your fingers.
- An audible signal is emitted while driving in reverse.
- The control lever automatically moves to the center position when released, at the same time the brake is applied.

Horn

An audible signal sounds when the horn button is pressed. The horn should be used in a timely manner, under the demanding circumstances, while driving.

Telescopic steering wheel

Pull up on the plastic clamp to adjust handlebar length, press in the clamp at the desired length.

Controller

Located under the tailgate, it transmits signals from the control panel to the engine, brake and hub.

Note: Store the controller in an environment with low humidity and make sure the controller is dry before starting work.

Electric and manual operating mode selector lever

The handbrake can be engaged and disengaged by switching the control levers to manual or electric mode.

Electric control mode

Pull the lever back to the OFF position to switch to electric control

Manual control mode

Push the lever forward to the ON position to switch to manual operation

REMOTE





FIG.1

FOLDING AND UNFOLDING



The scooter is designed to allow customers to fold and unfold in 3 ways, depending on their preferences and circumstances. There are automatic, by electric switch and manual method for you to choose, please refer to the following instruction for these 3 ways.

Automatic unfolding and folding

Automatic folding

- Press and hold the button on the remote control. 
- The scooter will fold itself automatically.
- Release the button  when the scooter is fully folded.

Automatic unfolding

- Press and hold the button on the remote control. 
- The scooter will unfold automatically.
- Release the button  after the scooter is unfolded.

Electric switch for unfolding and folding

Switch to operate unfolding and folding.

This switch is located on the rear of the scooter.

BATTERY AND CHARGING

The scooter has been designed for maintenance-free and long service life lithium-ion battery. The battery can be charged with a 24V 2A charger.

- Charge at least every 3 months.
- Charge the battery to full charge and disconnect it from the scooter if not going to use the scooter for an extended period of time.

Battery charging steps:

1. Switch off the power to the scooter. Open the cover of the charger then insert the plug of the charger to the charging port of the scooter.

Warning Make sure that the charger plug is fully connected to the charging port of the scooter.

2. Connect the AC power plug of the charger to your home power source. To check the light on the charger, orange light means charging is in progress, and green light means fully charged.

3. After the battery is fully charged, switch off the mains charger. Before disconnecting DC charging plug, disconnect the AC power source.

Warning Disconnecting the AC power source after the battery is fully charged will ensure longer life of the lithium-ion battery.

4. The red light of the charger turns off when the power source and charger power are turned on. Check that the power connection is properly set.

5. Each battery is fully charged in 3 hours.

CAUTION: TO AVOID OVERLOADING THE BATTERY, DO NOT CHARGE IT MORE THAN 6 HOURS.

Some information about charging the battery with the charger

High input current from the charger to the battery at low charge, small current from the charger when the battery is nearly fully charged. Nearly zero or little current is applied to the battery so that continuous charging will not overcharge it, however a charging time of no more than 6 hours is suggested. The battery will be charged continuously while it is connected to the charger.

Charger lights indication

There are two LEDs on the charger, red indicates power is connected, the other is the charging status indicator, orange indicates charging and green indicates fully charged. If the red light is still on after disconnecting the power source, it may indicate an error or malfunction. The normally red light will turn off a few seconds after disconnecting the power source. It is normal for the lamp to go off when the battery voltage is high.

A different type of charger

The charger is designed to charge the scooter battery. We strongly suggest not to use a different type of charger from the original manufacturer, use of non-original chargers and parts is prohibited.

Charging frequency

The charging frequency depends on the conditions below

A. A full-day scooter ride

B. Occasional scooter rides

Safe and reliable battery charging

A. Please do not charge continuously for 6 hours via controller charging port to prevent over-charge with two batteries inserted. Never charge for more than 3 hours with only one battery inserted.

B. When charging a single battery directly outside the scooter, please make sure the charging time is less than 3 hours to avoid overcharging.

C. Immediately disconnect the charger from the power source as soon as the indicator on the charger turns green.

D. Charge the scooter once a week when it is used once a week. It takes 6 hours to fully charge.

E. Keep the battery fully charged.

How to achieve the maximum driving distance

A. Be sure the battery is fully charged before riding. B. Stay clear of hills, macadam and soft terrain.

C. Only carry the necessary things, reduce the load on the scooter.

D. Ride smoothly, without breaks or breaks.

Corresponding battery specification Lithium-ion battery with the stated specifications.

Warning: Do not remove the battery yourself. Do not pour water on the battery. Incorrect use of the battery resulting in its damage voids the warranty.

BATTERY SAFETY AND TIPS FOR BATTERY LIFE

Cause of poor performance on a new battery

The scooter uses a deep discharge battery with a special chemical technology, which allows the battery to be recharged quickly with longer use times when fully charged. The battery attached to the scooter is fully charged, however the initial power will be reduced during the transport process, e.g. when the temperature changes.

High temperature causes a loss of battery power and low temperature results in longer charging times. It takes several days to adapt to the environment and then return to normal operation after transport. The battery will stabilize its parameters after a few days and several charging and discharging cycles.

Steps to improve battery performance

A. When new, the battery should always be charged fully to ensure that the battery charge is at least 88%.

B. Always fully charge the battery after use and drive the scooter to safe and familiar places. When using your scooter for the first time, keep a low speed.

C. After the second ride, fully charge the battery, which will increase its capacity to 90%.

D. After 4 ~ 5 rides with a full charge, the performance of the scooter will be 100%. Ensuring battery life

Full charging of the battery maintains good performance and life for a long time, while excessive and infrequent charging will damage it.

Before use

- A. Make sure the battery is fully charged.
- B. Know the route, including crowd, animals, and potential obstructions.
- C. Always stay clear of uneven and leaky terrain.
- D. Check that the brake lever is fully seated and the brake lever switch is depressed.
- E. Steer with both hands by resting them on the steering wheel.
- F. Use the horn to check if it works.

Ride

When riding the scooter, follow these tips:

- A. Completely unfold the scooter.
- B. Make sure the seat is in the correct position and adjust the tilt comfortably.
- C. Turn on the power after the seat is correctly positioned and with your hands on the steering wheel.
- D. Gently push the direction control lever using your right thumb.
- E. The brake will release automatically and the scooter will drive forward. Do not press down too hard on the control lever suddenly, as this will cause the speed to increase dramatically.
- F. Turn the steering wheel to the left to turn left.
- G. Turn the steering wheel to the right to turn to the right.
- H. The scooter will travel straight ahead when the steering wheel is in the center position. I. The brake is automatically activated when the control lever is in the middle position and the scooter is stopped.

End of driving

- A. Make sure the scooter has come to a complete stop.
 - B. Turn off the power with the key or turn the rocker switch to the "O" position.
 - C. Get off your scooter carefully.
- D. Assemble the scooter in one of 2 possible ways, using the remote control or the electric switch.

Transport in the car**WARNING:**

Risk of injury - No persons or objects should be under the wheelchair during transport.

WARNING:

Risk of injury - Make sure the wheelchair is attached properly. This will prevent injuries to passengers in a collision or sudden braking. Make sure that the wheelchair is fastened only to the fixed parts of the frame.

TROUBLESHOOTING AND MAINTENANCE

The driver includes programs for identifying problem points and solving problems. When diagnostics discover problems and errors. The LED will flash until the fault is cleared. Example: The number of flashes is "1-9". Users can try to troubleshoot as described below.

Number of flashes	Description of the fault	Possible reason
1	Low battery voltage or connection problem the battery	Check battery connection. If there is no problem with the connection, it should try to recharge the battery.
2	There is a problem with motor connection	Check all connections between motor and controller
7	Control lever failure driving direction	Before powering on the scooter, be sure to make sure the control levers the direction of travel are in position parking.
9	Brake lever failure	Check the connection between the lever brake and motor to make sure that the controller is securely connected.

Insufficient battery capacity or performance degradation

Battery capacity or performance degradation can in most cases be dealt with as follows:

- A. Verify that the key is fully inserted and in the ON position.
 - B. Make sure the battery is fully charged.
 - C. Increase the cycle and charging time as the battery capacity decreases.
 - D. After following the above steps without any improvement, a battery capacity test is required.
- Although your scooter is designed to be maintenance-free, it must be inspected and maintained.

Connecting the battery

- A. Check for corrosion and proper connection.
- B. Make sure the battery is placed flat inside the battery holder.
- C. Any damage to the connections must be repaired or replaced with new parts.

Plastic cover

Never use oil or chemicals to clean the scooter plastic cover or wash the scooter with water to avoid damaging the electrical components.

Bearing, motor and gear

- A. These elements have been lubricated and sealed during the production process, they do not require further lubrication after purchase.
- B. Always keep the electrical components dry, especially the control panel, charger and all electrical components.
- C. All wet parts must be dry before riding the scooter.

SAFE DISPOSAL OF THE MEDICAL DEVICE

When the device has been withdrawn from use it can be treated as municipal waste except for electric medical devices – in such case the electric medical devices shall be disposed in the way described by the law for electrical and electronic waste disposal.

Cleaning and maintenance after use

Turn off the power (preferably disconnect all cable connections).
Clean with a soft, slightly damp cloth and then dry thoroughly.
Keep the wheelchair away from children.

The wheelchair should be stored at a normal temperature, not exposed to direct sunlight, kept away from moisture to prevent damage and extend its service life.

NOTES, WARNINGS

GENERAL WARNING

Do not use the product until you have read and understood this manual. If you do not understand any warnings, cautions or instructions, please contact your healthcare professional or dealer to avoid damaging the product.

NOTE: Inspect all parts for damage caused in transit. If any such damage is found, DO NOT use the product. More information from the manufacturer.

WARNING:

In case a serious incident that has occurred in relation to the medical device, that directly or indirectly led, might have led or might lead to any of the following:

- a) the death of patient, user or other person,
- b) the temporary or permanent serious deterioration of a patient's, user's or other person's state of health,
- c) a serious public health threat;

the above mentioned serious incident should be reported to the manufacturer and the competent authority of the Member State in which the user and/or patient is established;

WARNING:

In case any pain, allergic reaction or other worrying symptoms, unclear for the user which have occurred in relation to the medical device, the user should consult a healthcare professional;

CAUTION: There may be a risk of tipping over if the product is used improperly. Please follow the boarding / dismantling / moving instructions.

WARNING: Risk of tipping over - Reduce speed before you enter a curve or curve.

WARNING: Risk of pinching - Always keep sufficient distance to curves and obstacles.

WARNING: Risk of injury - Be careful when driving with a front wheelchair, as the rear of the electric wheelchair may jerk when cornering.

WARNING: Control your speed - Moving on slopes as slow as possible.

WARNING: Do not make U-turns uphill.

WARNING: Risk of tipping over - Take extra care when driving uphill and downhill.

WARNING: Risk of Injury - Select the correct ramps to avoid possible injury or damage.

WARNING: When moving your wheelchair through doors or other passages, make sure there is enough space on both sides to avoid hand injuries or damage to the wheelchair.

WARNING: The maximum load must never be exceeded.

WARNING: For better visibility when driving in the dark, wear bright clothing to make it more visible, or clothing with reflective elements.

CAUTION:

The manufacturer is not responsible for any damage caused by neglect of maintenance, inadequate servicing or failure to comply with the recommendations contained in this manual.

PURPOSE, INDICATIONS AND CONTRAINDICATIONS

Destiny

The product is intended for the comfortable transportation of people with walking difficulties or no walking abilities. The trolley is designed to transport one person.

Indications

- Paralysis
- Loss of limbs (leg amputation)
- Limb damage or deformation
- Stiff or damaged joints
- Heart failure and poor blood circulation
- Imbalances
- Cachexia (loss of muscle mass)

Contraindications

Physical or mental limitations (e.g. visual impairment) that prevent the safe use of the wheelchair.

CAUTION:

It is forbidden to use a mobile phone while driving.



This symbol means: "Maximum user weight"

The purchaser of this product is entitled to the limited warranty offered by our company and its subsidiaries for the following elements and periods:

- Seat frame: 3 years
- Engines: 1 year
- Controller and CPU system: 1 year
- Battery: 6 months
- Wear parts: 3 months

Includes tires, seat and backrest, armrests, support straps.

This warranty only applies to the replacement of defective parts. Any parts covered by the warranty will be replaced and shipped directly to your door. Possible service charges and labor for replacement parts under warranty must be borne by the user.

Due to the simple design, most parts can be easily replaced by the end user without the need for professional service. However, it is always advisable to seek professional help with maintenance and service to ensure that the work is carried out correctly.

The warranty does not cover:

1. Products damaged due to user negligence.
2. Products damaged accidentally.
3. Products damaged intentionally.
4. Products that have been neglected.
5. Products that have been the subject of abuse.
6. Products that have been improperly stored.
7. Products that have been mishandled.
8. Products that have been misused.
9. Incorrectly used products.
10. Products that have been modified in an unauthorized, unapproved manner.

The warranty is non-transferable and valid only to the original purchaser of the product.

KARTA GWARANCYJNA

Model:

Numer Serii:

Pieczęć punktu sprzedaży

i czytelny podpis Sprzedawcy:

1. Firma AN TAR Sp.J. 03-068 Warszawa, ul. Zawiślańska 43 udziela niniejszym 12 miesięcznej gwarancji na wyrób od daty wydania produktu kupującemu. Dla wyrobów, których zakup był refundowany przez NFZ obowiązuje przedłużony okres gwarancji równy połowie okresu użytkowania określonego w rozporządzeniu w sprawie świadczeń gwarantowanych, pod warunkiem, że okres użytkowania został w rozporządzeniu określony w miesiącach lub w latach.
2. W okresie gwarancji AN TAR zobowiązuje się dokonać niezbędnych napraw, w celu przywrócenia zestawu do prawidłowego funkcjonowania w terminie 14 dni od daty otrzymania przez serwis reklamowanego towaru, wraz z dokumentem zakupu oraz kartą gwarancyjną.
3. AN TAR zastrzega sobie prawo wymiany produktu, w przypadku, gdy uzna że koszty naprawy czynią ją nieopłacalną. Naprawa lub wymiana uszkodzonego produktu nie przedłuża okresu gwarancji.
4. W przypadku stwierdzenia, iż wyrób funkcjonuje nieprawidłowo, należy bezzwłocznie wysłać na adres firmy AN TAR (podany w punkcie 1) lub skontaktować się z punktem, w którym dokonano zakupu.
5. Przed rozpoczęciem eksploatacji należy zapoznać się z instrukcją obsługi i ściśle jej przestrzegać. Eksploatacja wyrobu niezgodnie z przeznaczeniem i zaleceniami powoduje nieodwracalną utratę gwarancji.
6. Gwarancją nie są objęte uszkodzenia powstałe na skutek przebiecia lub przecięcia wyrobu ostrym przedmiotem, uszkodzenia na skutek działania zewnętrznych sił mechanicznych, zetknięcia wyrobu ze spirytusem, substancjami tłustymi lub oleistymi, benzyną.
7. Wyrób przesłany do serwisu w ramach reklamacji nie może stwarzać zagrożenia epidemiologicznego.
8. NINIEJSZY DOKUMENT GWARANCJI JEST WAŻNY WYŁĄCZNIE WRAZ Z DOWODEM ZAKUPU (PARAGONEM, RACHUNKIEM, FAKTURĄ). PROSIMY O DOŁĄCZANIE DOWODU ZAKUPU W PRZYPADKU SKŁADANIA KAŻDEJ REKLAMACJI. W CELU UZNANIA PRZEDŁUŻONEGO OKRESU GWARANCJI DLA WYROBÓW, KTÓRYCH ZAKUP BYŁ REFUNDOWANY PRZEZ NFZ, KONIECZNE JEST DOŁĄCZANIE KOPII „ZLECENIA NA ZAOPATRZENIE W WYROBY MEDYCZNE BĘDĄCE PRZEDMIOTAMI ORTOPEDYCZNYMI I ŚRODKI POMOCNICZE”.
9. Reklamacje złożone bez dowodu zakupu oraz karty gwarancyjnej z wpisanym numerem serii produktu nie będą uwzględniane.

WARRANTY CARD

Model:

Serial number:

Point of sale stamp

and a legible signature of the Seller:

1. AN TAR Sp. J., 03-068 Warsaw, ul. Zawiślańska 43, hereby grants a 12-month warranty on the rollator, starting from the date of purchase by the Buyer. Products financed by the National Health Fund are covered with the extended warranty period, which covers half of the useful life specified in the Regulation on Guaranteed Services, provided that the useful life is specified in the Regulation in months or years.
2. During the warranty period AN TAR undertakes to carry out the repairs necessary to restore proper functioning of the product, within 14 days from the date of receipt of the product by the service centre, together with the proof of purchase and the warranty card.
3. AN TAR reserves the right to replace the product if the repair is deemed uneconomic. Repair or replacement of faulty products does not extend the warranty period.
4. If the product is found to be malfunctioning, send it immediately to AN TAR (as specified in point 1) or contact the point of sale.
5. Before use, read the instructions carefully and follow them. If the product is used improperly and contrary to recommendations, the warranty will be irrevocably lost.
6. The warranty does not cover damage caused by external mechanical force, load exceeding the maximum permissible weight of the user as described in the manual, as well as contact of the product with alcohol, greasy substances or petrol. The warranty does not cover parts subject to normal wear and tear during use, such as the bearing, rubber parts and others.
7. The product delivered to the service in connection with the complaint cannot cause an epidemic.
8. THIS WARRANTY IS ONLY VALID TOGETHER WITH THE PROOF OF PURCHASE (BILL, RECEIPT, INVOICE). IN CASE OF A COMPLAINT, A PROOF OF PURCHASE MUST BE ATTACHED. IN ORDER TO EXTEND WARRANTY PERIOD FOR PRODUCTS FINANCED BY THE NATIONAL HEALTH FUND, ATTACH A COPY OF THE ORDER FOR THE SUPPLY OF MEDICAL DEVICES BEING ORTHOPAEDIC ITEMS AND AIDS.
9. Complaints submitted without the proof of purchase and a warranty card with the product serial number will not be considered.



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