



VALK

FUSION ⑤

ELECTRIC SCOOTER



User Manual

[Revision 12.0]

THE BATTERY MAY HAVE SOME CHARGE ON ARRIVAL, IT IS IMPORTANT HOWEVER THAT THE BATTERY IS CHARGED PRIOR TO USE.

READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description, and packaging. • Check local regulations regarding the use of eScooters in your state or territory.

Safety

Safety messages are designed to alert you to possible dangers or hazards that could cause death, injury or equipment or property damage if not understood or followed. Safety messages have the following symbols:



You **WILL** be KILLED or SERIOUSLY INJURED if you do not follow instructions.

It is vital that you read and understand this user manual before using the product, including safety warnings, and any assembly and operating instructions. Keep the manual for future reference.

Safety precautions and recommendations detailed here must be fully understood and followed to reduce the risk of injury, fire, explosion, electrical hazard, and/or property damage.

Safety information presented here is generic in nature – some advice may not be applicable to every product. The term "equipment" refers to the product, be it electrical mains powered, battery powered or combustion engine powered.

- **Before Use** - If you are not familiar with the safe operation/handling of the equipment or are in any way unsure of any aspect of suitability or correct use for your application, you should complete training conducted by a person or organization qualified in safe use and operation of this equipment, including fuel/electrical handling and safety.
- Do NOT operate the equipment in flammable or explosive environments, such as in the presence of flammable liquids, gases, or dust. The equipment may create sparks or heat that may ignite flammable substances.
- Keep clear of moving parts.
- Equipment may be a potential source of electric shock or injury if misused.
- Do NOT operate the equipment if it is damaged, malfunctioning or is in an excessively worn state.
- Do NOT allow others to use the equipment unless they have read this manual and are adequately trained.
- Keep packaging away from children - risk of suffocation! Operators must use the equipment correctly. When using the equipment, consider conditions and pay due care to persons and property.

General Work Area Safety

- Work areas should be clean and well lit.
- Do not operate the equipment if bystanders, animals etc are within operating range of the equipment or the general work area.
- If devices are provided for connecting dust extraction / collection facilities, ensure these are connected and used properly. Dust collection can reduce dust-related hazards.



You **CAN** be KILLED or SERIOUSLY INJURED if you do not follow instructions.

General Personal Safety

- Wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect from eye and ear injury, poisoning, burns, cutting and crush injuries. Protective equipment such as safety goggles, respirators, non-slip safety footwear, hard hat, hearing protection etc should be used for appropriate equipment / conditions. Other people nearby should also wear appropriate personal protective equipment. Do not wear loose clothing or jewellery, which can be caught in moving parts. Keep hair and clothing away from the equipment.
- Stay alert and use common sense when operating the equipment. Do not over-reach. Always maintain secure footing and balance.
- Do not use the equipment if tired or under the influence of drugs, alcohol, or medication.
- This equipment is not intended for use by persons with reduced physical, sensory, or mental capabilities.

General Fuel Safety

- Petrol/fuel/gasoline is extremely flammable – keep clear of naked flames or other ignition sources.
- Do not spill fuel. If you spill fuel, wipe it off the equipment immediately – if fuel gets on your clothing, change clothing.
- Do NOT smoke near fuel or when refuelling.
- Always shut off the engine before refuelling.
- Do NOT refuel a hot engine.
- Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly.
- Always refuel in well ventilated areas.
- Always check for fuel leakage. If fuel leakage is found, do not start, or run the engine until all leaks are fixed.

General Carbon-Monoxide Safety

- Using a combustion engine indoors **CAN KILL IN MINUTES**. Engine exhaust contains carbon-monoxide – a poison you cannot smell or see.
- Use combustion engines OUTSIDE only, and far away from windows, doors, and vents.



You **CAN** be INJURED if you do not follow instructions or equipment damage may occur.

General Equipment Use and Care

- Keep packaging away from children and pets, potential risk of suffocation or choking.
- The equipment is designed for domestic use only.
- Handle the equipment safely and carefully.
- Before use, inspect the equipment for misalignment or binding of moving parts, loose components, damage, or any other condition that may affect its operation. If damaged, have the equipment repaired by an authorised service centre or technician before use.
- Prevent unintentional starting of the equipment - ensure equipment and power switches are in the OFF position before connecting or moving equipment. Do not carry equipment with hands or fingers touching any controls. Remove any tools or other items that are not a part of the equipment from it before starting or switching on.
- Do not force the equipment. Use the correct equipment for your application. Equipment will perform better and be safer when used within its design and usage parameters.
- Use the equipment and accessories etc. in accordance with these instructions, considering working conditions and the work to be performed. Using the equipment for operations different from those intended could result in hazardous situations.
- Always keep equipment components (engines, hoses, handles, controls, frames, housings, guards etc) and accessories (cutting tools, nozzles, bits etc) properly maintained. Keep the equipment clean and, where applicable, properly lubricated.
- Store the equipment out of reach of children or untrained persons. To avoid burns or fire hazards, let the equipment cool completely before transporting or storing. Never place or store the equipment near flammable materials, combustible gases, or liquids etc.
- The equipment is not weather-proof, and should not be stored in direct sunlight, at high ambient temperatures or locations that are damp or humid.
- Do not clean equipment with solvents, flammable liquids, or harsh abrasives.
- For specific equipment safety use and care, see Equipment Safety.

General Electrical Safety

- Inspect electrical equipment, extension cords, power bars, and electrical fittings for damage or wear before each use. Repair or replace damaged equipment immediately.
- Ensure all power sources conform to equipment voltage requirements and are disconnected before connecting or disconnecting equipment.
- When wiring electrically powered equipment, follow all electrical and safety codes.
- Always use a Residual Current Device (RCD) (GFCI) / Earth Leakage Circuit Breaker / Safety Switch when operating this item (electrical items only).
- High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.

General Electrical Safety

- Electrically grounded equipment must have an approved cord and plug and be connected to a grounded electrical outlet.
- Do NOT bypass the ON/OFF switch and operate equipment by connecting and disconnecting the electrical cord.
- Do NOT use equipment that has exposed wiring, damaged switches, covers or guards.
- Do NOT use electrical equipment in wet conditions or in damp locations.
- Do NOT use electrical cords to lift, move or carry equipment.
- Do NOT coil or knot electrical cords, and ensure electrical cords are not trip hazards.

General Service Information

- The equipment must be serviced or repaired at authorised service centres by qualified personnel only.
- Replacement parts must be original equipment manufacturer (OEM) to ensure equipment safety is maintained.
- Do NOT attempt any maintenance or repair work not described in this manual.
- After use, the equipment and components may still be hot – allow the equipment to cool and disconnect spark plugs and/or electrical power sources and/or batteries from it before adjusting, changing accessories, or performing repair or maintenance.
- Do NOT adjust while the equipment is running.
- Perform service-related activities in suitable conditions, such as a workshop.
- Replace worn, damaged or missing warning/safety labels immediately.

Child Choking Hazard!



• **WARNING: CHOKING HAZARD - CHILDREN UNDER 8 YRS. CAN CHOKO OR SUFFOCATE ON SMALL PARTS. ADULT SUPERVISION REQUIRED.**

- Carefully inspect anything a baby or child could gain access to, including this product & packaging.
- Dangers include anything of a size that could become stuck or lodged in a baby or child's airway.
- Dangers include things like raw, hard fruit and vegetable pieces, large pieces of meat, bones or sausage skins, popcorn, nuts, hard lollies and corn chips, small magnets and batteries, coins, beads, marbles and small uninflated balloons, broken toys and smaller toys, buttons, keys, and coins. But there are also many more.
- Pay particular attention to accessories, nuts, bolts, screws, washers, caps, covers, loose parts, parts that could be removed or break off, pieces of packaging, staples, tape etc.
- In the case of any doubt, secure the item of concern in an appropriate manner, or completely remove the possibility of access by a baby or child.

Electric Scooter Safety

- Charge the Scooter using the included charger and cable. Using a different one could cause product failures and void your warranty.
- Whenever you use the product, be sure to wear appropriate clothing with its corresponding protectors to ensure you avoid personal injury. Wear protective clothing, such as knee pads and elbow pads or gloves.
- Be sure to wear comfortable clothes. Above all it is important that your shoes are closed and flat. Do not wear very baggy and long clothes that can get into the wheels or get caught in the product.
- Before mounting on the product, carefully read this user manual, which explains all the basic principles and tips for using.
- **DO NOT USE THE PRODUCT IF IT WEIGHS LESS THAN 20KG OR IF IT EXCEEDS 120KG.**
- Before getting on the Scooter, make sure the place is safe, in a flat and smooth place. Also check that the product does not emit any beeps or is in alert mode. Do not mount if alerts are not resolved.
- Do not attempt to open or modify your Scooter as doing so will void the manufacturer's warranty and could lead to serious bodily injury or death.
- Do not use the Scooter in situations where you could be in danger or to the people around you.
- Do not drive your Scooter under the influence of drugs or alcohol.
- Do not drive your Scooter when you have not rested well or are sleepy.
- Do not drive your Scooter on curbs, ramps or try stunts or tricks, as do skaters or bikers.
- Do not turn your Scooter sharply, especially at high speeds.
- Do not use the product aggressively, you could cause product failures and accidents.
- Never use the product to get off elevators or stairs.
- Do not drive near areas with water or muddy places (with sand, tape) or stony. Try not to drive through very rough places.
- Do not drive in bad weather: snow, rain, hail or on icy roads, smooth or with extreme heat.
- Do not use the Scooter on slippery surfaces or steep slopes.
- If you are not sure that the surface where you use the product is safe enough, take the device and look for other terrain.
- Always observe the direction you are going with the Scooter and be careful with the people, elements of the environment, properties and objects that surround you. Do not use it in areas where there are many people.
- Always take care of people and their belongings when using the product.
- Do not use the Scooter when talking, writing a message, or talking on the phone. It could cause an accident.
- Do not drive your Scooter on the road, trails, or bike lanes.
- Do not drive the product near vehicles or on roads.

Fusion 5 Folding Electric Scooter

- Do not climb or lower steep slopes with the Scooter.
- The Scooter is designed to be used by one person at a time. Do not try to ride with two or more people at the same time.
- Do not carry anything on you while driving the Scooter.
- People with a lack of balance should not use this product.
- Do not use Scooter if you are pregnant or think you may be.
- Be very careful when allowing children or the elderly to use the product. These people may not have the physical capabilities necessary to drive safely.
- Always consider the necessary space you must have to stop on time.
- Do not jump with the product on.
- Do not drive your Scooter in dark areas or in low light.
- Always make sure you have enough free space when standing on the Scooter to do it safely through doors and other obstacles at low altitude.
- Do not step on any other part of the device other than the lower base where the feet are placed.
- Always avoid operating the product in unsafe places and where hazardous and volatile materials are present, such as near areas with flammable gases or liquids.
- Never lean forward while riding.
- Always ensure your centre of balance is toward the rear of the scooter to reduce chances of accident during braking or impact with an obstacle or a rough or soft surface.
- If local laws and regulations allow riding in areas that could be exposed to other people or vehicles, do not exceed a speed of walking pace while in these areas.
- **YOU MUST COMPLY WITH ALL LOCAL AND / OR STATE LAWS IN YOUR REGION ON THE USE OF THIS TYPE OF DEVICE.**
- **YOU SHOULD ALWAYS WEAR A HELMET AND SAFETY PROTECTORS TO AVOID PERSONAL INJURY IN CASE OF POSSIBLE FALLS.**
- **WARNING! AUTOMATIC OR UNINTENDED ACTIVATION OF CRUISE CONTROL (IF EQUIPPED) WHILE CORNERING AT THE LIMITS OF THE VEHICLE OR RIDER, OR DURING PERFORMANCE OF A WHEELIE, COULD RESULT IN LOSS OF CONTROL, ACCIDENT, INJURY OR DEATH.**

Charger Safety

- Charge preferably in locations away from flammable products.
- Monitor and control the charging period (which does not exceed the recommended).
- Use only the original charger.
- Do not leave the skate loading at night.
- If the skate has been exposed to high temperatures, wait and check that it is not hot before loading it again.
- For the charging procedure it is important that the skate is turned off and that there is no accessory connected, since if it is not possible for any of the sensors to be activated and the battery will overheat.
- When the charger LED turns from red to green it is when the scooter is charged.
- Cannot be charged with ignition or working.

Safety Symbols

The product may have safety warning labels attached to it, explained below. Understand the symbols on your product and their meanings. If any stickers become unreadable, unattached etc., replace them.

 Flammable Material Hazard Flammable liquids, gases, or substances etc may present. Avoid ignition sources and open flames. Danger of fire.	 Read User Manual Read and fully understand product safety warnings, operation, procedures etc before using the product.	 Use Hand Protection Wear appropriate hand protection and take due care as the product or use of the product may present hand hazards.	 Carbon-Monoxide Hazard Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.
 Electrocution / Electrical Shock Hazard High voltage or high current electricity may be present or required by the product. Take due care when handling electrical products, cables, plugs and leads. Electrical shock can be fatal.	 Toxic Fumes / Dust Hazard Using the product or by-products from use may produce fumes, smoke or particles that could be harmful if inhaled. Wear appropriate breathing protection and have adequate ventilation.	 Explosive Material Hazard Combustible liquids, gases, or substances etc may be present. Avoid ignition sources and open flames. Danger of explosion.	 Cutting / Amputation Hazard The product may have blades, edges or mechanical devices that can cause severe cut injury to fingers, limbs etc. Take due care when handling and using the product.
 Crush Hazard The product may have blades, edges or mechanical devices that can cause severe crush injury to fingers, limbs etc. Take due care when handling and using the product.	 Single Operator Only The product must be operated by a single person only. More than one person operating the product may introduce additional hazards.	 Use Face Protection Wear appropriate full-face protection and take due care as the product or use of the product may present face and eye hazards.	 Use Foot Protection Wear appropriate foot protection and take due care as the product or use of the product may present foot hazards.
 Use Eye / Ear / Head Protection Wear appropriate eye and / or ear and / or head protection and take due care as the product or use of the product may present eye, hearing, and head hazards.	 Running Hazard Do not run on or near the product as doing so may present a fall hazard.	 Diving Hazard Do not dive into the product as doing so may present a neck / head injury hazard.	 Adult Supervision Required Always supervise children and other users of a product to prevent drowning or injury.
 Skin Penetration / Puncture Hazard The product may produce pressure, emit liquids or objects that can cause severe injury to fingers, limbs, blood etc. Take due care when handling and using the product.	 Hot Surface Hazard Be aware that the product may produce high temperatures and hot surfaces that can cause burn injuries.	 Flying Debris Hazard Be aware that the product or use of the product may present hazards produced by flying debris. Wear appropriate clothing and protective devices.	 Moving Parts Hazard Be aware that the product contains or uses mechanical devices that move or rotate. Always wait for moving parts to stop fully before handling the product, adjusting, maintenance etc.

 Carbon-Monoxide Hazard Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.	 Pull Hazard Be aware that the product contains or uses mechanical devices that can pull in objects and can cause severe injury to fingers, limbs etc. Take due care when handling and using the product.	 Slope / Fall Injury Hazard Be aware that using the product on sloping surfaces or in slippery conditions may present additional dangers from falls and contact with blades, moving parts, hot surfaces etc.	 "Slam Dunk" Warning Do NOT attempt "slam dunk" manoeuvres as this may result in severe injury due to falling, product breakage or collapse etc.
 Electrocution / Electrical Shock Hazard - Outdoor High voltage or high current electricity may be present or required by the product. Do NOT use in rain, damp, or wet conditions. Electrical shock can be fatal.	 Electrocution / Electrical Shock Hazard - Disconnect High voltage or high current electricity may be present or required by the product. Always disconnect the product from the electrical supply before handling the product, adjusting, maintenance etc.	 Power Line Electrocution Hazard High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.	 "Kick-Back" Hazard High level of "kick-back" hazard that can cause the machine to suddenly rotate towards operator. Kick-back injury can be fatal.
 Winch Operator Position Hazard Do NOT stand between winch and load. Do NOT use winch to move people.	 Winch Lift Hazard Do NOT LIFT load vertically. Use machine to PULL only.	 Cable Hazard Ensure that load bearing cable is not kinked or knotted.	 Winch Cable Hazard Ensure that there is a minimum number of cable coils on winching mechanism.
 Winch Hook Hazard Carry hook to load – do NOT throw or run.	 Flash / Blinding Hazard Wear appropriate eye protection for welding. Direct exposure to weld arcs may cause permanent eye injury.	 Laser Hazard Laser may be in use – do NOT look directly at laser or allow others to.	 Choking Hazard Children under 8 yrs. Can choke or suffocate on small parts. Adult supervision required.

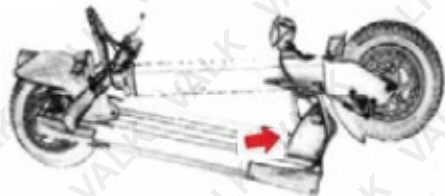
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Assembly

Scooter



1. Press the folding lever and bring the handlebar forward.

2. Raise the lever to secure the folding handle while firmly holding the folding bar.



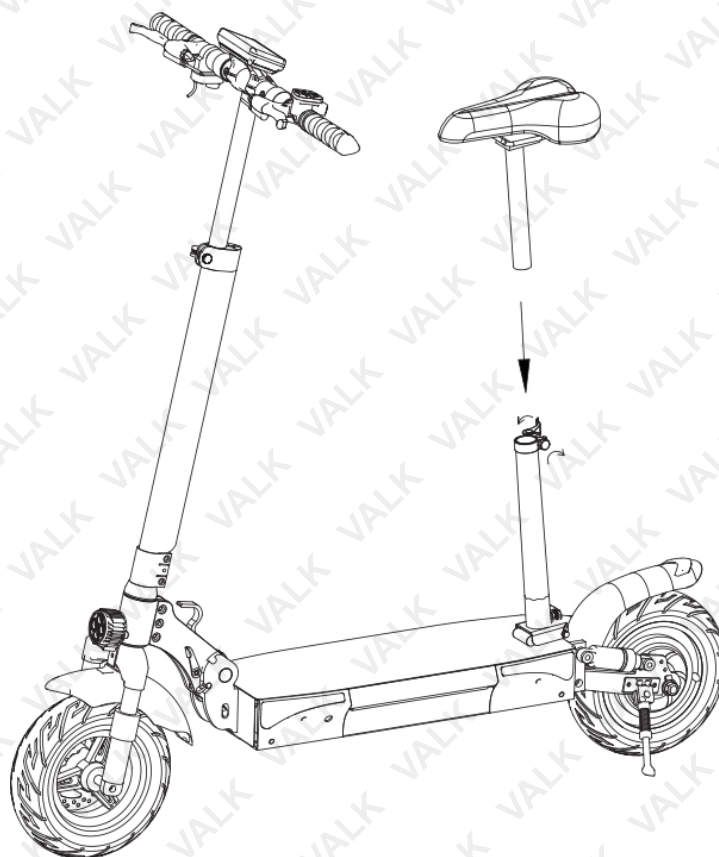
3. Move the handlebar back and forth to check that it does not move and is properly secured. Check the brake drive as well.

4. Turn the handlebar fixing lever and raise the bar to the desired position. Once raised, tighten the handle.

Spare parts available
for purchase, scan QR
code below:



Seat Installation



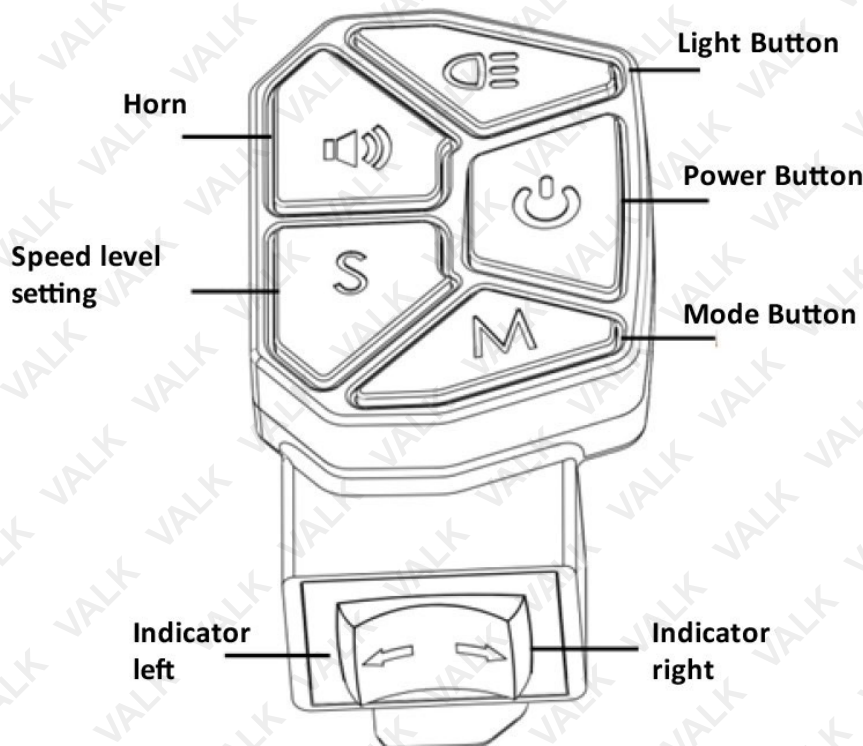
Operation



ATTENTION: Monitor battery usage when in use, the scooter may suddenly slow down as the battery charge reduces.

WARNING! AUTOMATIC OR UNINTENDED ACTIVATION OF CRUISE CONTROL (IF EQUIPPED) WHILE CORNERING AT THE LIMITS OF THE VEHICLE OR RIDER, OR DURING PERFORMANCE OF A WHEELIE, COULD RESULT IN LOSS OF CONTROL, ACCIDENT, INJURY OR DEATH.

Button Features



- **Power ON/OFF Button:** Press and hold for about 3 seconds to power ON. Press and hold again for about 3 seconds to power OFF.
- **Light Button:** Press the button once to turn all lights ON. Press again to turn OFF.
- **Horn Button:** Press and hold the button to activate the horn, and release to stop.
- **S Button (Speed level settings):** Press the speed button once to switch between the speed levels: Walk, ECO, Sport, and Turbo modes. Each time you press this button once, the speed level increases. This cycle repeats itself.
- **M-Button (Mode-Button):** Press once briefly to change from km/h to mph.
- **Indicator Button (Left & Right):** Press once according to the arrow direction.

NOTE: When the brake is active, pressing the throttle to accelerate is not allowed!

Sub Menu

To access the sub-menu press and hold the power and horn buttons simultaneously. Once you have changed the desired setting, don't press any buttons and the display will return to the normal menu, and the setting will be saved.

Zero start/kick start (Toggle rolling start ON.OFF)

- P01
 - 0 Means off.
 - 1 Means on.

Cruise control

- P02
 - 0 Means off.
 - 1 Means on.

Overclock mode (Unlocks the speed limiter)

- P02
 - 0 Means off.
 - 1 Means on.

Overlock mode:

We highly recommend that you use appropriate safety gear when riding this scooter, not only in normal speed modes but especially in overclock mode. The use of electric scooters is not permitted in public areas of all jurisdictions. Please check with your local, state, and federal authorities for laws and regulations applicable to their use.

Display Features



Battery Level Indicator: Displays the remaining battery level with 6 bars. When all bars light up, it corresponds to 100% power.



6 bars indicate the battery level between 100% and 90%, and 5 bars indicate the power is between 90% and 70%. When the battery is completely empty, 1 bar still flashes and the scooter reduces to a standstill due to inertia. You must then charge it immediately. It is not recommended to discharge the battery completely.

READY

READY: When the scooter is turned ON, the “READY” symbol appears on the display to inform the user that the scooter is ready for operation.



Cruise Control: Press the throttle and keep same speed for 5 seconds to activate cruise control function. Cruise control symbol appears on display. Press the throttle again to exit cruise control mode.



Light Button: After turning ON the scooter, press the light switch button to turn the lights ON and OFF.



Walk-Mode: Indicates maximum speed at 3 km/h.



ECO-Mode: Indicates maximum speed at 6 km/h.



Standard-Mode: Indicates maximum speed at 15 km/h.



Turbo Mode: Indicates maximum speed at 25 km/h.



Maximum Speed Indicator: Indicates the highest speed of the entire driving process.



Current Speed: Indicates the current speed while driving.



Single Mileage: Show the current mileage during the ride, and automatically return to zero by next start.



Overall Mileage: Displays the total mileage travelled to date.

Charging the Scooter

WARNING! DO NOT CHARGE IF THE CHARGE PORT OR POWER CORD IS WET. DO NOT CHARGE OR USE YOUR BATTERY IF IT IS DAMAGED OR WET. CLOSE THE CHARGING PORT COVER WHEN NOT CHARGING.

ATTENTION: Monitor battery usage when in use, the scooter may suddenly slow down as the battery charge reduces.

Remove the rubber cap and insert the charging cable. After charging, put the rubber cover back in place.



- Make sure your Scooter charger is in optimal condition. Check that there is no dust or dirt on the connector and if so, clean it and make sure it is dry.
- Always use the original charger provided with the product and connect it correctly to the device (through the charging port) and to a power outlet.
- It is important that you always use the charger that comes with your Scooter, otherwise, it may cause the device to fail and not be covered by the warranty.
- Once the product has been fully charged, it will take approximately two or three hours to complete the charge.
- When the LED light turns **green**, it means that the product is fully charged.
- It is important that at that time, immediately disconnect the adapter from the network to stop charging.
- The battery life will be affected by the battery charge time, do not exceed total charging time as this will extend the life of your battery.
- Please note that the approximate charging time is between **6-7 hours**. Do not leave the product charging once the adapter light has changed to green or overcharge the battery for more than **7 hours**.

IMPORTANT! • The charge will be approximately 6-7 hours. • Do not overcharge the unit, as this will shorten the life of your battery and its charger.

Learning to Ride

Please read this user manual carefully, in its entirety, before mounting on your new Scooter. Follow the charging instructions before attempting to use the product.

Maintain a relaxed posture.

If you are tense, and do not have a relaxed posture, the Scooter will know and exaggerate your movements. Relax and learn to control the direction and balance with balance.

Foot position.

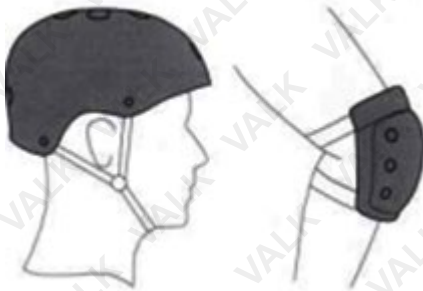
When you get on the Scooter make sure that you maintain an upright position and that your feet are symmetrically aligned on the bottom base of your Scooter so that you can drive the product optimally.

Do not move abruptly.

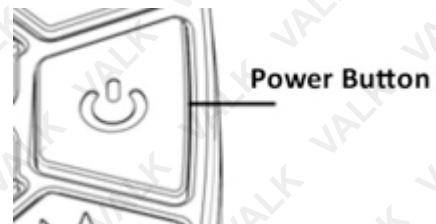
Try to avoid moving your arms or making windbreaks, because it will modify the posture and balance.

Descend confidently.

When your Scooter is fully braked, descend with one foot to always keep your balance. Avoid sudden movements or jump down to avoid a possible fall.



1. Wear an approved helmet and other protective gear to minimize any possible injuries.



2. Turn ON the Scooter and check its power level indicator. Charge the Scooter if the battery level is low.

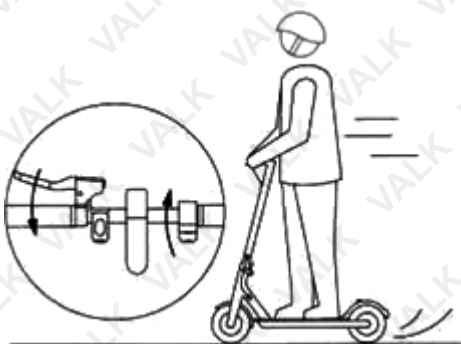


3. Put one foot on the deck and when balanced, push off with the other foot to start gliding.

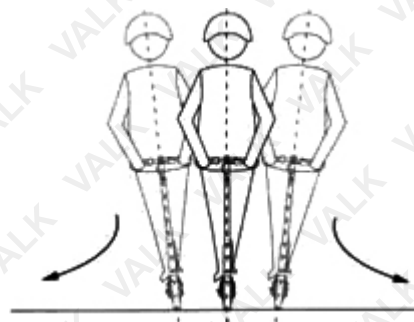


4. Put your other foot on the footrest to keep both feet stable. Press the throttle on your right hand to speed up when you are well-balanced.

WARNING! When hard braking, you risk serious injury due to loss of traction and falls. Maintain a moderate speed and look out for potential hazards.



5. Slow down by releasing the throttle, and brake by squeezing the brake lever.



6. To turn, shift your body weight and turn the handle slightly.

Safety Warnings When Riding

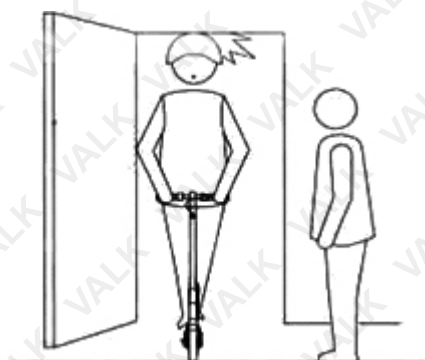
WARNING! Failure to follow these instructions could lead to serious injuries!



DO NOT ride the Scooter in the rain. DO NOT let it get wet.



DO NOT ride over bumps and potholes at HIGH SPEED.



Watch your head when passing through doorways.



DO NOT accelerate when going downhill.



DO NOT press the throttle when walking with the Scooter.



Avoid hitting obstacles with the tyre/wheel.



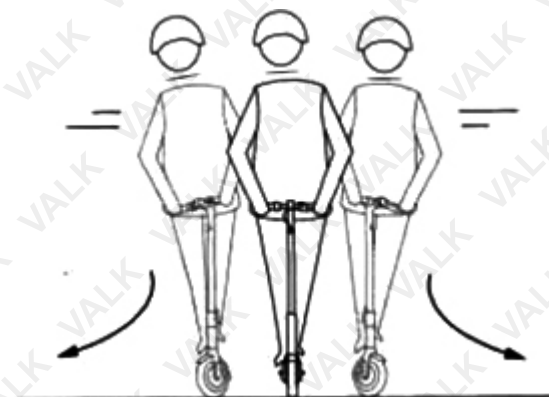
DO NOT carry heavy objects on the handlebar.



DO NOT ride the Scooter with only one foot.



DO NOT ride on public roads, motorways, or highways.



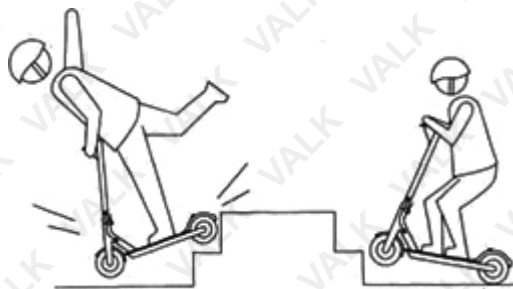
DO NOT rotate the handle suddenly while riding at high speeds.



DO NOT ride through puddles or other bodies of water.



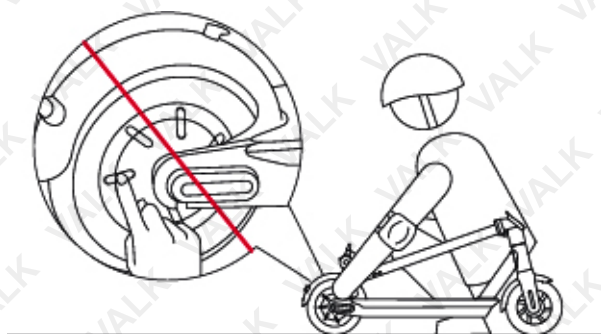
The Scooter is for one rider only. Do not carry any passengers. Do not carry a child. Do not ride when pregnant.



DO NOT take your hands off the handlebar while riding. Do not ride with one hand only.

DO NOT ride up and down stairs or jump over obstacles.

WARNING! Always keep both hands on the handlebar or you risk serious injuries due to loss of balance and falls.



DO NOT touch the hub motor after riding because it can get very hot!



Do not use mobile phone or wear earphones when operating the Scooter.



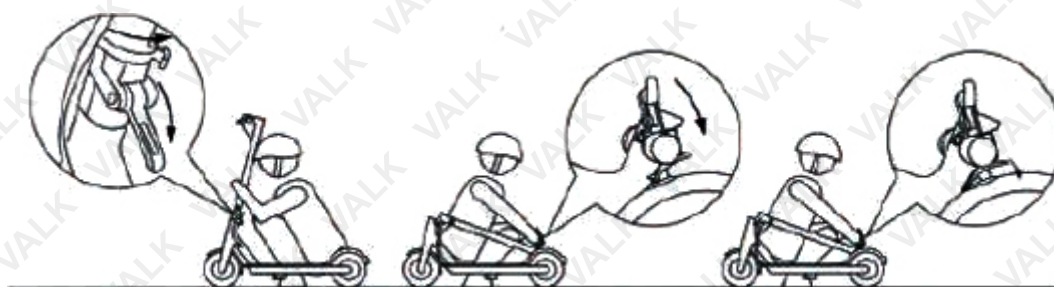
Pregnant women should not drive the e-scooter at all as there is potential for injuries. Children under the age of 16 should not drive the e-scooter. All users of the e-scooter must wear a helmet and safety gear.

Autonomy Range

In optimal conditions, the Scooter can travel distances of up to 45km. However, there may be several factors for this range to decrease:

- The speed and driving style.
- Maintaining a moderate and continuous speed will allow you to travel a greater distance with your Scooter, if you drive making frequent stops, starting at idle speed and with extreme acceleration the travel capacity will decrease.
- This product is designed for smooth and flat surfaces. Using it on uneven terrain is not only dangerous, but it will also negatively affect the range of autonomy of your Scooter. The weight of the user can affect the range of autonomy.

Disassembly and Transport



1. Make sure that the e-scooter is switched OFF.
2. Open the folding lever.
3. Fold down the handlebar and secure it by hooking it onto the ring located on the mudguard.



When your Scooter is folded up, lift it by the stem to carry it. Ensure you do not hit any obstacles or people.

Lithium Battery Care and Maintenance

Top 3 Battery Care Requirements

1. **Charge battery before first use.** The battery may arrive with some charge, regardless of this the battery must be charged for 6 – 7 hours on the initial charge and 6 – 7 hours for each subsequent charge. 
2. **Charge battery immediately when it is depleted.** Do not store a depleted battery. This will permanently impact the life of the battery. If the battery is going to be stored for a period of time, fully charge the battery before storing. 

To ensure the battery maintains optimum performance, follow the guidelines outlined below.

- For best results, charge batteries in temperatures between 10°C and 30°C
- When battery is charged, disconnect the charger from the power supply and remove the battery from the charger.
- If a battery is stored or otherwise unused for an extended period, and the battery has no charge remaining when you check it, consider it to be damaged. Do not attempt to recharge it or to use it. Replace it with a new battery.
- Use only with the battery charger specified by the manufacturer.
- Ensure that the battery charger electrical cord is not subjected to damage or stress. Do not operate the battery charger if it has a damaged electrical cord or plug.
- Do not use the charger in wet areas or expose it to rain or water.
- The typical estimated life of a Lithium-Ion battery is about two to three years or 300 to 500 charge cycles, whichever occurs first. One charge cycle is a period of use from fully charged, to fully discharged, and fully recharged again
- Explosion hazard – protect the battery against heat, for example, direct sunlight and fire. Do not store batteries in vehicles or locations subject to heat.
- Batteries can explode in the presence of an ignition source, such as a pilot light. To reduce the risk of serious personal injury, never use any cordless product in the presence of open flame. Exploding batteries can propel debris and chemicals.
- Do not open the battery – danger of short-circuiting and/or explosion.
- Do not attempt to destroy or disassemble the battery pack or remove any of its components.
- Do not touch the battery terminals with metal objects and/or body parts as short-circuit and/or personal injury may result.
- Explosion hazard – do not open and/or short-circuit the battery.
- Poison hazard – battery leakage (liquid ejection). Under extreme conditions, liquid may be ejected from the battery – avoid contact. If contact accidentally occurs, immediately seek medical attention, and flush with water. If liquid contacts eyes, immediately seek medical attention, flush with clean water for at least 10 minutes. Liquid ejected from the battery may cause irritation or burns.
- Dispose of non-serviceable batteries in an environmentally responsible manner and according to local regulations.

Failure to adhere to the requirements above may result in the battery becoming inoperative or battery life being reduced. In extreme cases or abuse, battery overheating, or fire may result.

DANGER - BATTERY CHARGING, USE AND STORAGE

Like mobile phones, laptops, cordless vacuum cleaners etc, this product may contain or be related to a lithium ion battery pack (lithium ion batteries and lithium ion battery related items only). Lithium ion batteries allow fast charging and high capacities, however care must be taken to reduce chances of a fault, and increase safety in case a fault occurs. Catastrophic incidents involving lithium ion batteries have a tendency to result in large amounts of smoke and fire. Be sure to follow the points below to reduce the likelihood of danger whenever you use, charge or store any lithium ion battery.

- Never charge a battery that has been damaged or subjected to a forceful impact.
- Never charge a battery that has been exposed to moisture or water.
- Never charge a battery with a charger that wasn't supplied with the battery.
- Never use a battery in a device that it wasn't specifically designed for.
- Never use a battery with a modified or damaged device.
- Never modify the battery, product, charger, circuitry or wiring.
- Never charge a battery in an exit path that may be used by people to leave a room or building in case of an emergency, for example, the hallway or foyer of a residence.
- Never charge a battery in an area or building that doesn't have the recommended number of working smoke detectors that have been tested in accordance with local guidelines.
- Never charge a battery when the battery or charger is displaying a problem or charging incorrectly.
- Always charge batteries on a non-combustible surface, for example, on a concrete floor.
- Always charge batteries at least 3m away from anything combustible, such as floors, wall surfaces, furniture, storage shelves etc.
- Always charge batteries in an open area (outside if possible) ensuring the battery and charger are away from moisture and water.
- Always disconnect batteries from the charger after charging.
- Always remove or disconnect batteries from the device/product when not in use.
- Always ensure batteries are charged under adult supervision. Do not charge unattended. Do not charge batteries while no one is home or while people are sleeping.
- Keep batteries away from heat and moisture.
- Damaged batteries should be disposed of through your local e-waste collection service.
- Avoid mixing and matching chargers. Unplug products when fully charged, and charge batteries in a cool, dry place away from combustible materials like beds, lounges, or carpet.
- During charging and use, check your lithium-ion batteries for overheating, signs of swelling, leaking, or venting gas. Immediately stop using your product if these signs are present.
- Allow batteries to cool after use and before charging.

Maintenance

We recommend that you maintain a routine of care for your Scooter similar to that of a bicycle, a skateboard, or a car. If you discover any anomaly, contact an authorised service centre or a qualified technician.

General

- Check the wheels periodically to see if they are damaged or bear excessive load.
- Avoid using aggressive chemicals or solvents when cleaning the Scooter.
- Do not let liquids come into contact with the ports or buttons of the Scooter.
- The unit can only withstand small splashes of water. It is not waterproof, nor should it be used in waterlogged conditions. If water or other liquids enter it, permanent damage to the circuitry and its electronic components could result.
- Manipulating the unit would imply an automatic loss of the warranty.

Lubrication

Lubricate the skate folding mechanism every 6 months with a non-corrosive neutral oil, before lubricating it, clean the surface to remove impurities.

Brake

When the brake performance begins to decrease, you can adjust the brake cable to achieve the required sensitivity. If after adjusting the brake you continue to notice that it does not brake as it should, consult a qualified technician or authorised service centre about the possible replacement of the brake pads.

Battery

This product is equipped with a very durable lithium battery. With the passage of time and the number of repeated charges, they can have an impact on their autonomy.

If this occurs, consult a qualified technician or authorised service centre for a possible replacement.

Storage

- Store your Scooter indoors, which are dry places and in proper conditions. If the ambient temperature of the storage location is below 0°C or above 55°C, choose another location. To prevent the entry of dust and particles, store your Scooter in its original packaging.
- If you are going to store your Scooter for a long period of time, check that the product battery is at minimum levels. We recommend recharging the battery every 3 months to ensure you are ready to drive after it has been stored.

General Troubleshooting

If you find problems in the operation of the product, make these checks:

- The battery charges and the on the charger shows a power LED (**red** if it is charging and **green** when the charge is complete).
- The display shows an error symbol.
- No cable has been released in the braking system.
- Cable connectors are free of dust and moisture.

If you continue to have problems, consult a qualified technician or authorised service centre.

Error Codes

Error code	Description	Solution
E02	Single-chip fault (MCU abnormal)	
E03	ST structure overflow (MCU internal fault)	
E04	Short circuit fault	Check for a short in wiring or installation, or replace the controller.
E05	12 V supply abnormal	
E06	5 V supply abnormal	
E07	3.3 V supply abnormal	
E08	Dashboard timing/heartbeat abnormal	
E09	Sub-motor communication failure (ignored on non-dual-drive models)	Check the connection cable between the sub-controller and the main controller.
E10	Dashboard communication failure	Check the harness between the dashboard and controller. Turn the scooter off, unplug and reconnect the main harness, then restart. If the fault remains, replace the dashboard or controller.
E11	Motor A current sensor abnormal	Check the yellow phase-A wiring between the controller and motor A.
E12	Motor B current sensor abnormal	Check the green/brown phase-B wiring between the controller and motor B.
E13	Motor C current sensor abnormal	Check the blue phase-C wiring between the controller and motor C.
E14	Throttle Hall abnormal	Confirm the throttle returns to zero. Check the throttle cable and throttle body. Unplug and reconnect the throttle plug, then restart the scooter.
E15	Brake Hall abnormal	Confirm the brake returns fully to zero. Check brake wiring and switch. You can unplug the electronic brake wiring and restart the scooter.
E16	Motor Hall abnormal 1	Check the yellow motor Hall wiring. If the fault occurs during braking, replace the motor or controller.
E17	Motor Hall abnormal 2	Check the green/brown motor Hall wiring. If the fault occurs during braking, replace the motor or controller.
E18	Motor Hall abnormal 3	Check the blue motor Hall wiring. If the fault occurs during braking, replace the motor or controller.
E19	Auxiliary motor Hall abnormal (ignored on non-dual-drive models)	Check the auxiliary motor Hall wiring. Replace the auxiliary motor or controller if needed.
E21	BMS communication abnormal	If using a communication-type battery, check BMS communication wiring. If using a non-communication battery, this error can be ignored.
E22	BMS password error	For communication-type batteries, check BMS pairing/password. Non-communication batteries can ignore this.

E23	BMS number exception	For communication-type batteries, check BMS ID/number settings. Non-communication batteries can ignore this.
E24	System voltage abnormal	
E25	Battery error	
E26	Flash save error	
E27	Mainboard password error / encryption abnormal	
E28	Upper bridge MOS tube fault	MOSFET failure. If the same error appears again after restarting, replace the controller.
E29	Lower bridge MOS tube fault	MOSFET failure. If the same error appears again after restarting, replace the controller.
E33	Battery temperature abnormal	Battery temperature is too high. Check the battery temperature, power the scooter off and let it sit for a period before restarting.
E50	Bus high voltage	Check whether the battery voltage is within the normal range. If the fault persists while riding, replace the battery or controller.
E51	120-degree Hall learning encountered 0 and 7 (Hall learning fault)	
E52	Phase line zero-offset abnormal	
E53	System overload	System load exceeded. Restart the scooter. If the error code returns, replace the controller.
E54	MOS phase wire short circuit	
E55	Controller high temperature alarm	Controller temperature is too high. Allow the scooter to cool completely, then restart. If the fault reappears on start-up, replace the controller.
E56	Low voltage alarm	Battery power is too low. Please recharge the battery.
E57	Motor over-temperature	
E58	Battery over-temperature	
E59	Dual-drive voltage sampling deviation too large	
E60	Battery 1 and Battery 2 sampling deviation too large	
E81	Bluetooth protocol error	
E82	IoT communication with controller failure	Check whether the IoT and controller communication cables are correctly connected.

Specifications

Frame	Aluminium alloy
Power	500W
Motor	Hub Drive
Battery Type	Lithium-Ion
Current	13Ah
Battery Voltage	48V
Speed (Max)*	40km/h
Range (Max)*	50km
Charge Time	6-7hr
Incline	15°
Tyres	10" Hybrid Sport Tyres 10X 2.70-6.5 tubeless
Suspension	Yes (front and rear)
Headlight	LED
Braking System	Front and rear mechanical disc brake
Maximum Rider Weight	120kg
Minimum Rider Height	120cm
Certification	ROHS, CE
Power Plug	Australian Standard (SAA Approved)
Storage Temperature	10 - 40°C
Operating Temperature	0 - 40°C

**Factors such as terrain, rider weight and power mode can affect these figures.*



Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging, and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear, or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear, or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business, or employee, or financially affect the user, business, or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement, or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.





E-micromobility vehicle information

1

Brand:

Product name:

Serial number:

Certificate approval number (required from 1 August 2025):

This product complies with the following standards:

2

Vehicle specifications

Maximum speed:

Maximum weight:

Maximum continued rated power output (for e-bikes):

3

Before using this vehicle, check the applicable local laws relating to your intended use of the vehicle on roads, footpaths, shared paths, bicycle lanes and bicycle paths.

- e-bikes: transport.nsw.gov.au/ebikes
- other vehicles: transport.nsw.gov.au/skateboards-scooters-rollerblades

4

WARNING! Follow these safety instructions to reduce the risk of fire, explosion and electric shock.

DO:

- Only use batteries and chargers supplied or recommended by the manufacturer.
- Compatible products:

Model details and number:

Model details and number:

- Maximum charging time this vehicle should be charged for:
- Charge your vehicle and batteries in an open area away from combustible and highly flammable materials, such as beds, sofas and carpets.
- Store and charge your vehicle and batteries in a cool, dry place away from direct sunlight.
- Store and charge your vehicle and its batteries away from doorways.
- Allow time for batteries to cool before recharging or storing.
- Keep batteries away from moisture, heat and impact.

WARNING! Modifying or tampering with your vehicle can result in a fire, explosion or electric shock.

DON'T:

- Modify or tamper with any component of this vehicle.
- Charge this vehicle for more than the recommended charge time.
- Leave charging batteries unattended or on charge overnight.
- Use or charge a damaged battery.
- Use or charge this vehicle if it is damaged.
- Use batteries or vehicles that are overheating or showing signs of failure, such as swelling, leaking or venting gas.
- Buy or use a vehicle or battery that has been altered or modified.

Learn more about lithium-ion battery safety: nsw.gov.au/lithium-ion-battery-safety

5

This section is optional

Do not attempt to repair your damaged vehicle, take it to a qualified repair person

For further information on service and repair of your vehicle or battery,

Insert preferred contact method, such as website, email or phone number

6

WARNING! Fires involving lithium-ion batteries can occur rapidly and can be violent, involving toxic smoke and vapours, flames, and molten projectiles.

If your vehicle or battery emits sparks, smoke or flames, evacuate the area and call Triple Zero (000). Close doors if safe to do so.

Warning signs include:

- Pungent odours
- Discolouration, blistering, bulging, or swelling of the casing
- Leaking electrolyte
- Heating up and becoming extremely hot to touch
- Abnormal popping, hissing or crackling sounds, smoke, and fumes

Never touch a swollen or ruptured device or battery with bare hands.

Seek urgent medical assistance if anyone has been exposed to spilled electrolyte, flying debris, smoke or vapours, or flames.

Make sure you know what to do if your device or battery is smoking or on fire:

fire.nsw.gov.au/batteries/what-to-do

7

For vehicles where the battery can be separated from the vehicle

Safely separate your vehicle battery for disposal by following these instructions:

Insert device specific instructions or link to instructions on how to safely separate battery

For all vehicles

WARNING: Do not dispose of this vehicle or components of this vehicle in household or kerbside garbage bins. When disposing of this vehicle or components of this vehicle, check the applicable local waste and disposal laws.

Learn how to safely dispose of your device and battery at: epa.nsw.gov.au/safe-battery-recycling

8

Other important safety information

Insert further safety information if required

9

Insert name of business providing this information

10

Insert publication date of document
