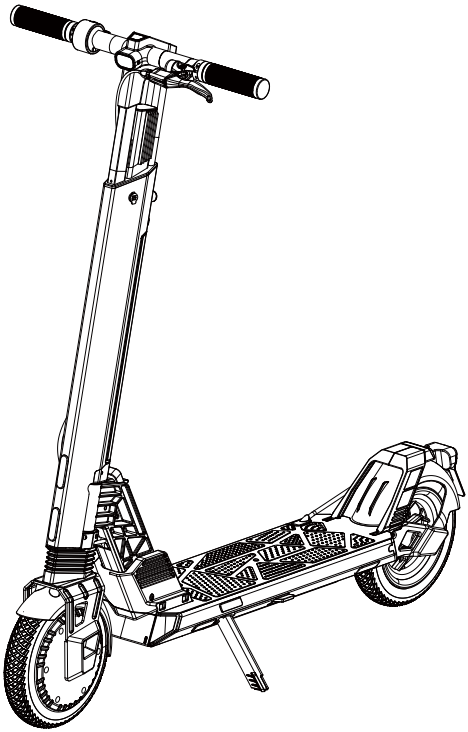
Email: support@turboant.com
Website: www.turboant.com
Made in China

TurboAnt

Folding Electric Scooter

V8



User Manual

Thank you for purchasing this product. To avoid injury to the user and others, be sure to observe the following safety instructions and guidelines. Keep this information for future reference.

Introduction

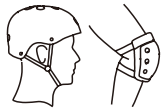
Featuring 9.3" tubed pneumatic tires, this scooter gives you a smooth riding experience. Its powerful 450 W motor and 36 V batteries enable a speed of up to 20 mph with a range of up to 50 miles. The reinforced frame reliably supports a body weight of up to 275 lb.

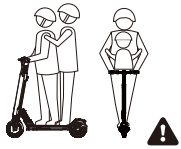
Important Safety Instructions and Guidelines

Safety Checks

- Ensure the wiring and cables around the handlebar are not twisted, and that the throttle is on the right side while riding the electric scooter.
- Make sure that no parts are damaged or have been modified.
- Make sure that the stem has been secured properly.
- Make sure that Hall cable (black) and brake cable (red) under the brake lever are connected correctly and the brakes operate properly.
- Make sure that the tires are fully inflated.
- Make sure the battery is fully charged (the indicator light turns green).
- Test whether the scooter can be turned on/off.
- Make sure that the front and rear lights function properly in the dark.
- Children under 14 years old should be supervised by an adult.

Safety Guidelines

	**WARNING! RISK OF BATTERY EXPLOSION!** Do not use the battery if it is damaged or has been modified. Do not expose to heat exceeding 95 °F (35 °C). Only use the original charging adapter.
	Wear protective gear such as a helmet.
	Do not ride the scooter in wet conditions.

	The scooter is only suitable for riding by a single person.
	The maximum load is 275 lb (125 kg).
	Do not ride under the influence of drugs or alcohol.
	Do not use a cell phone or listen to music when riding the e-scooter.
	Check your local traffic regulations whether riding an e-scooter in traffic is legal or not in your area.
	Turn on the lights in the dark.

Package Contents

1 × Folding Electric Scooter
2 × Charging Adapters
3 × M5*8 Screws (including 1 spare screw)
5 × M4*10 Screws (including 1 spare screw)
1 × M3 Allen Wrench
1 × Valve Adapter
1 × User Manual
1 × Warranty Card
1 × Charging Dock

Technical Specifications

Product Information	Unfolded Size	45.7 X 19.9 X 45.5 in (1160 x 505 x 1155 mm)
	Folded Size	45.7 X 19.9 X 18.1 in (1160 x 505 x 460 mm)
	Ground Clearance	4.1 in (105 mm)
	Product Weight	47.62 lb (21.6 kg)
	Adapter Input Voltage	100-240 V AC, 50/60 Hz
Drive System	Motor	36 V, 450 W
	Tire (Front & Rear)	9.3-inch, tubed pneumatic tires
	Max Speed	20 mph (32 km/h)
	Range	25-50 miles (40-80 km)
	Max Climbing Capability	20%
	Load	44-275 lb (20-125 kg)
Functions	Foldable Stem	Yes
	Battery Pack	Detachable
	Brake System	Electronic brake and rear disc brake
	Speed	3 settings (linear adjustment)
	Illumination	LED headlight + taillight (1 W) 4 ambient lights under the deck
	Warning Function	Bell
	IP Rating	IP54
Operating Conditions	Operating Temperature	32 to 113 °F (0 to 45 °C)
	Storage Temperature	-4 to 104 °F (-20 to 40 °C)
Charger	Input	100-240 V AC, 50/60 Hz
	Output	42 V DC, 2 A

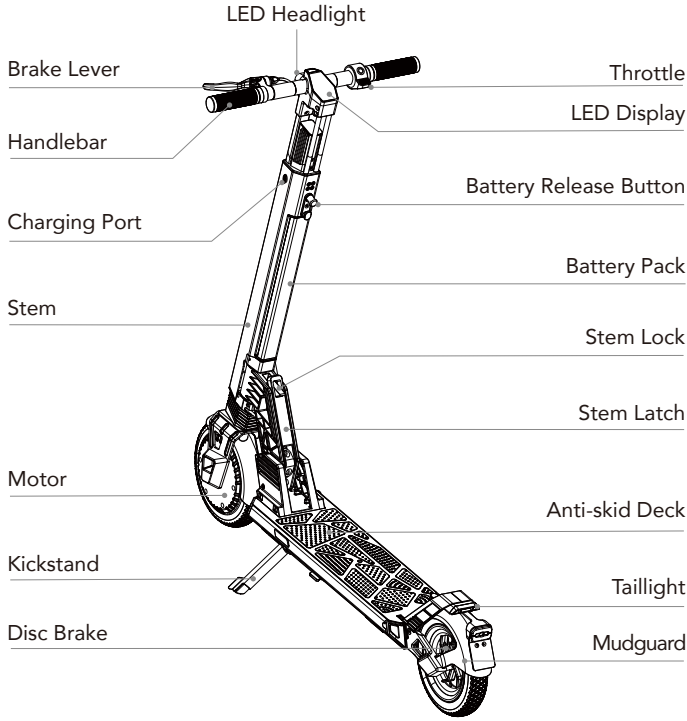
Notes

1. Max speed values stated in the user manual depend on the road conditions and the load. Values stated on the rating label are related to average conditions.
2. Mileage is tested under the following conditions: the scooter is driven with the second speed level, 41.8 V full power battery, a load of 165 lb (75 kg), temperature of 77 °F (25 °C), humidity of 70%, gentle breeze, 32 psi (220 kPa) in hot weather and 34.8 psi (240 kPa) in cold seasons, and flat, dry road conditions. Actual results may vary. If the load exceeds 275 lb (125 kg), the mileage and speed may be decreased, which can affect the riding experience.
3. Please ride safely within the maximum speed limit set by local traffic officials. Everyone should strictly abide by all traffic rules and regulations.

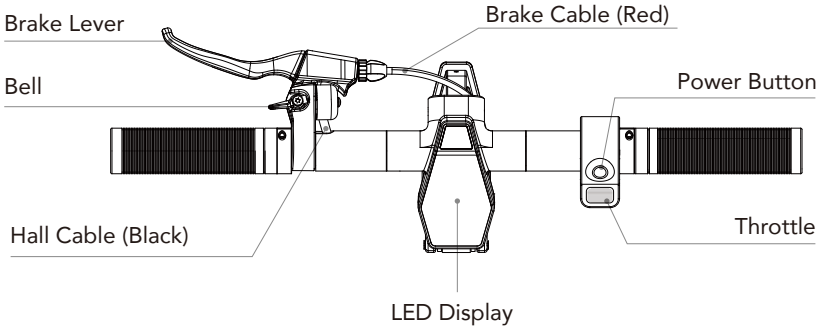
Battery Specifications

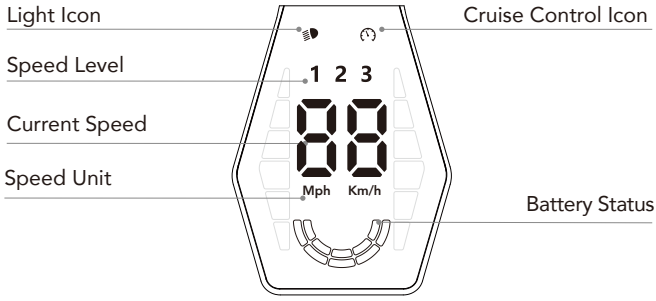
Type	Li-ion
Charging Time	Approx. 4-8 hours
Voltage	36 V
Capacity	7.5 Ah x 2, 270 Wh x 2
Operating Temperature	32 to 113 °F (0 to 45 °C)
Charging Temperature	32 to 113 °F (0 to 45 °C)
Max Charging Voltage/Current	42 V, 2.5 A
Storage Temperature	-4 to 104 °F (-20 to 40 °C)
Storage Time	3 months (after a full charge)

Product Overview



Controls Overview





LED Display

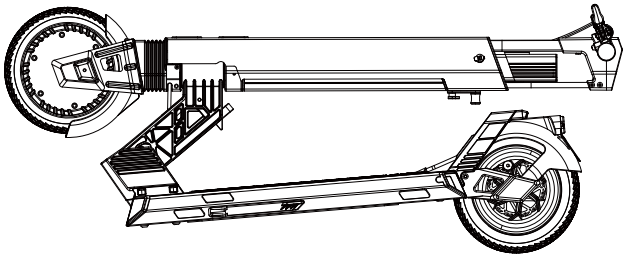
Note: If there is no operation within 10 minutes, the scooter will automatically turn off with a "beep" sound.

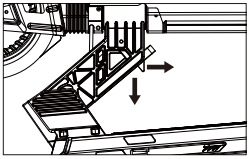
Controls Description

Control	Operation	
Power On/Off	Press and hold on the power button for 1 second or longer to turn on/off the scooter.	
Throttle	Press down the throttle to accelerate.	
Brake Lever	Squeeze the brake lever to stop the scooter. When the brake lever is fully depressed, the scooter will come to a complete stop. After that, it will have to be manually started (see the General Troubleshooting and Solution Guide section).	
Speed Level	Double press the power button to adjust the speed level.	Level 1: shows the number “1”
		Level 2: shows the number “2”
		Level 3: shows the number “3”
Headlight	Short press the power button while the scooter is on to turn on/off the headlight and taillight.	
Cruise Mode	Maintain a constant speed that you desire (must be at least 3.7 mph or 6 km/h to activate cruise mode). Then, hold the throttle in the same position for six seconds to enable cruise control. Exit cruise mode by using either the throttle or brake lever.	

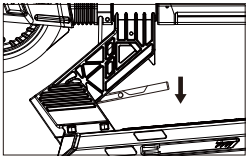
Operating Instructions

Assembly

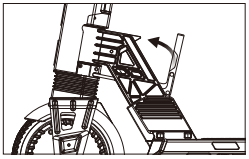




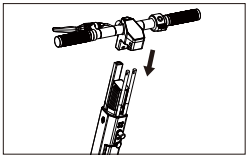
1. Pull up the lock in the middle to release the latch.



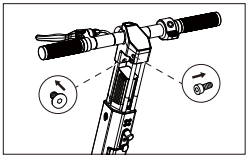
2. Press down the latch to completely unfold the stem.



3. Push the latch inwards until a “click” sound is heard.

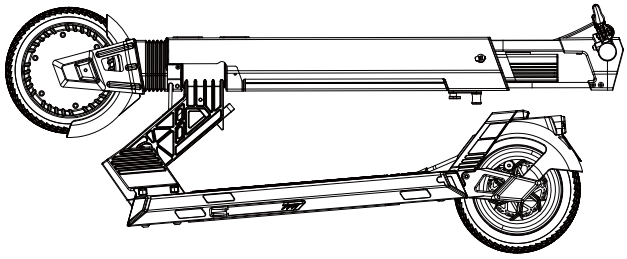


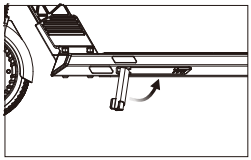
4. Align the scooter’s head with the stem.



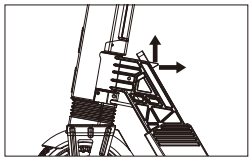
5. Tighten the screws to secure the scooter’s head with the provided tool.

Stem Folding

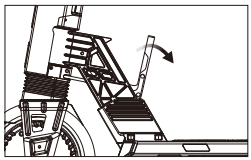




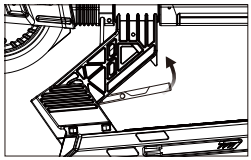
1. Fold the kickstand.



2. Pull up the lock in the middle to release the latch.

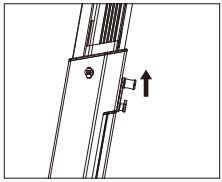


3. Press down the latch to completely fold up the stem.

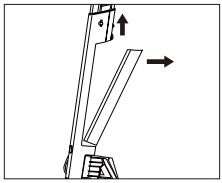


4. Pull up the latch to secure it with the lock until a “click” sound is heard.

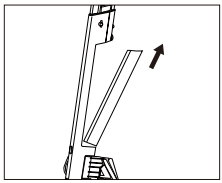
Stem Battery Removal



1. Pull up the battery release button on the stem.

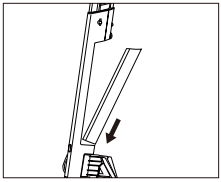


2. Hold and pull the upper part of the battery pack outwards while holding up the battery release button.

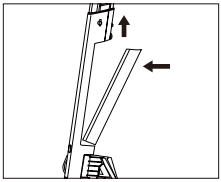


3. Pull out the entire battery pack.

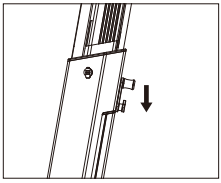
Stem Battery Installation



1. Align the bottom of the battery with the stem.



2. Pull up the battery release button while pushing the upper part of the battery pack into the stem.



3. Push down the battery release button to secure the battery pack into the stem.

Battery Maintenance

1. Only use the original battery pack. Misuse of other models or brands can cause safety issues.
2. Only use the original power adapter to avoid potential damage, electric shock, or fire.
3. Mishandling of used batteries can cause tremendous harm to the environment. To protect the natural environment, please follow local regulations to properly dispose of used batteries.
4. Do not place the battery in an environment where the ambient temperature is higher than 104 °F (40 °C) or lower than -4 °F (-20 °C) (e.g., do not leave the scooter or the battery pack in a car under direct sunlight for an extended time).
5. Do not leave the battery pack near a heat source, such as a stove, and do not throw the battery pack into fire. Doing so may result in overheating, explosion, or fire.
6. After every use, fully charge the battery to prolong its lifespan.
7. If the scooter is expected to be left unused for more than 30 days, please fully charge the battery and place it in a dry and cool place. Keep in mind to recharge the battery every 30 days to protect it from potential damage, which is beyond the coverage of our limited warranty. Always charge before exhausting the battery to prolong the battery's lifespan.
8. The battery pack performs better within the normal temperature range of 32 to 113 °F (0 to 45 °C), and performs worse when below 32 °F (0 °C). For instance, when the temperature is below -4 °F (-20 °C), the actual mileage will only be half or less than listed. When the temperature rises, the mileage will restore. Note: A fully charged TurboAnt Electric Scooter will last for 120-180 days.
9. The built-in intelligent chip will keep a log of its charging and discharging records. The damage caused by prolonged periods without charging is irreversible and is beyond the coverage of our limited warranty. Once the damage is done, the battery cannot be recharged.

Riding the Scooter

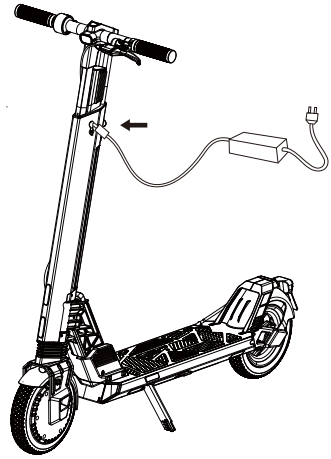
1. Wear protective gear such as a helmet.
2. Press and hold on the power button for 1 second or longer to turn on the scooter.
3. Place one foot on the middle of the deck and use the other foot to build up some momentum.
4. Gently press down the throttle to accelerate.
5. Squeeze the brake lever to brake.

Battery Charging

Charging the Installed Battery

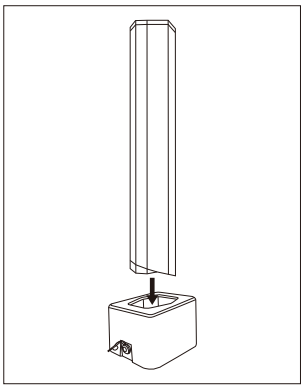
1. Remove the charging port cover on the left side of the stem. Make sure the charging port is dry and free of dust.
2. Connect the charging adapter.
3. The battery is fully charged when the indicator light of the charging adapter turns from red to green.
4. Close the charging port cover after charging the battery.

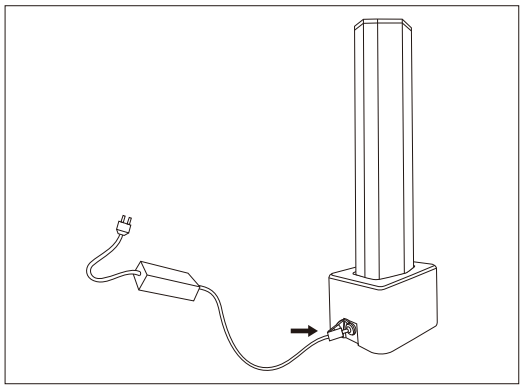
*The scooter cannot be turned on if it is connected to the charging cable, even if the cable is unpowered. When turning on the scooter, please completely remove the cable.



Charging the Removed Stem Battery

1. Remove the stem battery (-> Stem Battery Removal).
2. Align the battery pack with the charging dock.
3. Connect the charging adapter with the charging dock, and then connect the charging adapter to a power outlet.
4. The battery is fully charged when the indicator light of the charging adapter turns from red to green.
5. Install the battery back to the scooter or securely store the battery in a cool, dry, and ventilated place.





⚠ Only use the original charging adapter and charging dock to charge the scooter.

The scooter can be charged in two ways:

1. Charging only by the charging cable: It takes about 8 hours to fully charge the scooter.
2. Charging by the charging cable and the charging dock: It takes about 4 hours to fully charge the scooter.

Maintenance

1. Make sure the scooter is turned off and the power adapter is disconnected.
2. Wipe clean the scooter with a damp cloth. Never use lubricating oil on the body and do not immerse it in water.

Storage

1. Fully charge the scooter before storing, and charge it at least once a month to prevent premature decay of the battery capacity.
2. Do not charge the battery if the temperature is below 32 °F (0 °C).
3. Keep the scooter in a dry, ventilated, and cool area away from direct sunlight, rain, and high humidity, and cover the scooter to protect it from dust.
4. The kickstand is designed to provide structural support, so avoid standing on the scooter while the kickstand is down, as this can cause the kickstand to crack or break.

General Troubleshooting and Solution Guide

Problem	Cause	Solution
The scooter will not turn on.	The battery has run out.	Recharge the battery.
The battery will not charge.	The charging adapter is not connected to an AC power source, or the charging adapter is damaged.	1. Connect the adapter to an AC power source. If the indicator light turns on, the adapter is in good working condition. Then, connect the adapter to the charging port on the stem or the battery (the battery can be detached for flexible charging). 2. If the indicator light does not turn on, the adapter has broken down. Replace the adapter.
	The charging adapter is not properly connected to the charging port on the stem or the battery.	Check whether the connector of the charging cable is fully inserted into the charging port on the stem or battery, If it is not fully connected, please unplug the cable and re-connect the cable to the charging port.

	The battery power is full or the battery has failed.	After confirming that the charging adapter is functioning, connect the charging adapter to the AC power source and the charging port on the stem. 1. If the indicator light turns red, then charging is normal and the battery is in good working condition. 2. If the indicator light turns green, then the battery is full or has reached its end of life. In case of failure, replace the battery.
Cruise control cannot be activated.	The current speed is below the minimum speed required for cruise control.	Cruise control can only be activated when travelling at speeds greater than 3.7 mph (6 km/h). Increase speed to enable cruise control.
	A constant speed is not maintained.	Keep a constant speed. Then, hold the throttle in the same position for 6 seconds to enable cruise control.
The stem is loose.	The screws on the stem folding spanner are loose.	Tighten the screws on the stem folding spanner.
The scooter cannot accelerate.	The scooter is set at “non-zero” start and has not been manually started.	Use your foot to give the scooter an initial momentum. When the scooter’s speed reaches 1.9 mph (3 km/h), the scooter can be accelerated.
	The throttle is not released.	The throttle is equipped with an electric lock, so it needs to be completely pressed down in order to accelerate the scooter.
Normal tire pressure is between 30-32 psi (207-220 kPa) in hot weather and 34-36 psi (234-248 kPa) in cold seasons. It is necessary to periodically check the scooter to make sure all parts are in good condition, including the throttle, remaining power, tire pressure, and more.		
The tire has an air leak.	The tubed pneumatic tires may have an air leak if they have been stored for a long period. This is normal, as most air tires require pumping periodically.	Pump up the tires by taking the scooter to an automobile or motorbike repair center, or any location with a proper air compressor. Standard bicycle pumps can also be used to pump up the scooter tires.

Frequently Asked Questions (FAQs)

1. What is the optimum tire pressure when riding this scooter?
The recommended tire pressure is between 30-32 psi (207-220 kPa) in hot weather and 34-36 psi (234-248 kPa) in cold seasons. Please pump up the tires to this pressure.

2. The headlight cannot be turned on. How can I solve this problem?
If the headlight won't turn on, please verify that the scooter is turned on. When the scooter is turned on, short press the power button to see whether the headlight functions. Also, check to ensure that the lamp holder is not clogged with dust. If the lamp holder is not clogged with dust, and the headlight still will not turn on, it may need to be replaced. Please contact our customer support center for help.

3. What should I do if the scooter's stem is swaying while riding the scooter?Immediately stop riding the scooter. Verify that the screws that connect to the folding spanner and other screws on the stem are well tightened. If not, tighten the screws using the hexagonal wrench. Periodically tightening the screws on the scooter may be necessary.

4. What should I do if the brakes are not functioning properly?
a. Turn on the scooter. Don't stand on the deck. Tilt the scooter to lift the front wheel and manually rotate the wheel. Then, press down the throttle to accelerate, and the front wheel should start to rotate. Next, hold the brake lever. If the front wheel stops rotating, the EBS (Electronic Braking System) is functioning properly. If the front wheel does not stop rotating, the Electronic Braking System may be faulty. Please contact our customer support center for help.
b. Turn off the scooter, tilt the scooter, and manually rotate the rear wheel. Then, hold the brake lever. If the rear wheel stops rotating and there is no grinding noise, the disc brake is functioning properly. If there is a grinding noise on the brake, the disc brake may be faulty. Please contact our customer support center for help.

5. Can I replace the tires on my own if I have a flat tire?
If you have a flat tire, please contact our customer support center for help and repair. It is not easy to replace on your own, and faulty installation may damage other parts of the scooter, which can nullify our limited warranty. Seek help via our customer support center or take the scooter to an automobile or motorbike repair center and ask the professionals for assistance.

6. Why does the battery life decrease over time?
The lithium-ion battery capacity will naturally degrade after 500 charge/discharge cycles. The battery performs better when within the normal temperature range of 32 to 95 °F (0 to 35 °C) and performs worse when below 32 °F (0 °C). For instance, when the temperature is below -4 °F (-20 °C), the actual mileage will only be half or less than listed.

7. Why has my motor suddenly stopped working?
The reason may be that the controller has malfunctioned, and needs to be replaced. Please contact our customer support center for help and repair.

8. When I press down the throttle, why doesn't the motor function properly?
It could be that there is a Hall wire malfunction with the Electronic Braking System. Please check to see if the wire terminals of the brake lever and the panel are loose, and whether the brake lever has been damaged.

9. Why can't my mileage reach 50 miles?
The max listed mileage is 50 miles, which is measured under the following conditions: the scooter is ridden with the second speed level, 41.8 V full power battery, a load of 165 lb (75 kg), temperature of 77 °F (25 °C), humidity of 70%, gentle wind, tire pressure of 32 psi (220 kPa) in hot weather and 34.8 psi (240 kPa) in cold seasons., and flat, dry road conditions. Actual mileage may depend on a variety of factors including battery status, tire pressure, load, temperature, wind speed, road conditions, riding habits, and more. Please note that the tire is a type of tubed pneumatic tire, so fully inflating the tires can help extend your mileage.

Environmental Protection

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

Claybox 深圳市德瓴科技有限公司	料号	BBTA001ABGL		
	品名	TurboAnt_V8滑板车 说明书		
	材质	120g铜版纸		
	工艺	单黑+骑马订+封面过哑膜		
	尺寸	148*210 mm		
	公差	±1 mm		

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