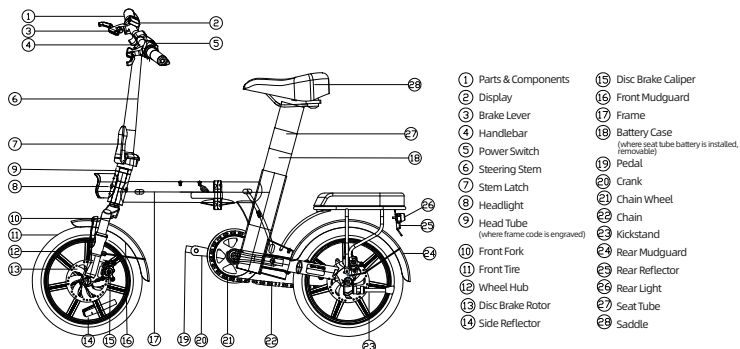




DYU SMART ELECTRIC BIKE Z1 INSTRUCTION

Do not use this product without carefully reading this instruction manual
and understanding the performance of electric bicycles
Please keep the instruction manual properly

Parts & Components

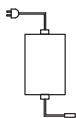


Note: As we upgrade our eBikes, the one you own may be slightly different from the one shown above, but how you use it will be the same.

IN THE PACKAGE



2× Pedals



1× Charger



1× Owner's Manual



1× Warranty Card



1× Hex Key



1× 15mm (or 0.59 inch) Spanner

Folding Your eBike



1. Lower the saddle all the way down, and secure the lock

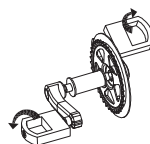


2. Fold the steering stem



3. Fold the frame

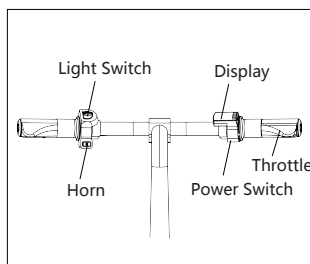
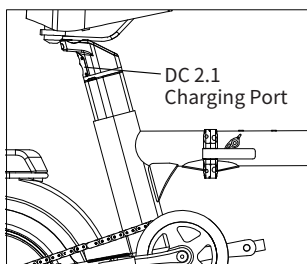
Installing the Pedals




Screw in the right pedal clockwise, and the left counter-clockwise

Getting Started

1. Remove all the packaging. Press the quick release, align the handlebar, and lock into place. Gently pull the levers for a couple of times till the cable is in the best condition. Insert the seat tube, adjust to desired height, and lock into place. Install the pedals.
2. Charging: Use the charger to connect your eBike to the mains. The charger light turns from red to green when charging is complete. Amber indicates that the charger is not connected to the battery but only to the mains.
3. Switching your eBike on and off: On the remote key, quickly press the flash button "⚡" twice to switch on your eBike (and the display) with a beep. Press the lock button "🔒" or the unlock button "🔓" once to switch off with a double beep. The difference is that when switching off with the lock button "🔒", the anti-theft is activated at the same time, while with the unlock button "🔓", it remains possible to switch the eBike on with the power button on the eBike. (Note: The mechanical key is for the battery case)
4. Activating/Deactivating anti-theft: On the remote key, press the lock button "🔒" to activate anti-theft. The alarm shall go off in the event of impact on your eBike. Press the unlock button "🔓" to deactivate anti-theft and the alarm.
5. Battery indicator: Four battery levels may be indicated on the display. Please see On the Display for details.
6. Horn: Identify the horn button on the left side of the handlebar. Press and release the button to sound the horn. If you press and hold the button, the horn may last 10 seconds at most, and you will need to release the button and press again.
7. Headlight: Identify the headlight switch with "ON/OFF" on the left side of the handlebar.
8. Braking and rear light: The throttle cannot be engaged while still braking. The rear light turns on and off together with the headlight. Braking brightens up the rear light.
9. Throttle and Pedal Assist: The top speed in the throttle mode is 25 km/h (or 15.53 mph) (which may vary depending on the load, terrain, and battery level), and in the pedal assist mode, 15-20 km/h (or 9.32-12.43 mph). Setting for different levels of assistance is not available for the Z1 model.
10. Cruise control: When riding in the throttle mode, twist and hold the throttle for 5 to 8 seconds, and release, for cruise control. To disable, twist the throttle again, or brake.
11. Theft tracker: Please refer to DYU's WeChat official account. (Optional, and only applicable to some products)
12. Removing/Installing the battery: A built-in battery cannot be removed. For replacement, please contact our official customer service.



On the Display

Battery Level		Displaying the current battery level
---------------	---	--------------------------------------

Product Parameters

Appearance Size	Model	TDT013Z
	Frame Material	Aluminum alloy
	Foldable Size	720*460*700 mm (or 28.35*18.11*27.56 inches)
	Expanded size	1246*525*1055 mm (or 49.06*20.67*41.54 inches)
	Package Size	760*370*750 mm (or 29.92*14.57*29.53 inches)
	Wheelbase	862 mm (or 33.94 inches)
	Pedals' Ground Clearance	100 mm (or 3.94 inches)
	Wheel Hub Size	14 inches
	Frame Color	Black/White
Performance	Net Weight	(7.5 Ah) 20.2 kg (or 44.53 lbs.) (10 Ah) 21.2kg (or 46.74 lbs.)
	Max Loading	75 kg (or 165.30 lbs.)
	Riding Speed	20 km/h (or 12.43 mph)
	Max Speed	25 km/h (or 15.53 mph)
	Power Consumption per 100km	1.1 kWh
	Pure Electric Mode	(7.5 Ah) 25 km (or 15.53 mi) (10 Ah) 40 km (or 24.85 mi)
	Assist Mode	75 km / 90 km (or 46.60 mi / 55.92 mi)
	Uphill Grade	15 degrees
	Temperature	e -10~45 degrees Celsius
	Waterproof Level	IP54

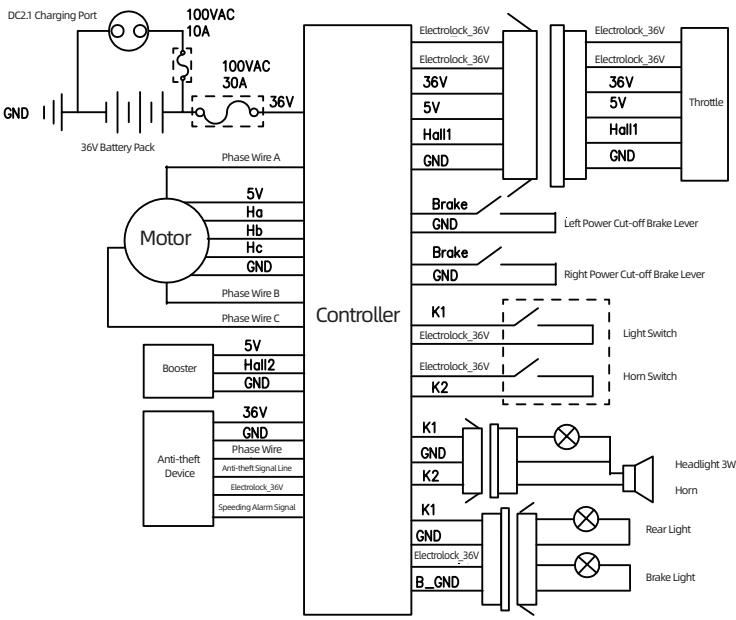
Note: Battery Power, load situation, tire pressure, road environment, chain and axle lubrication will affect the Max speed; The mileage is measured at 25 km, Load weight is 60kg, the speed is 15-20km/h, the leveling &hardening road surface, and the battery completely exhausted from full charge, uninterrupted test; Driving habits, temperature, loading, tire pressure, road environment and other factors will affect the cruiser mileage.

Product Parameters

Accessories Parameters	Model	TDT013Z
	Battery Type	Lithium-ion
	Battery Capacity	7.5Ah / 10Ah
	Battery Rated Voltage	DC36V
	Charging Voltage	DC42V
	Charger Input Voltage	AC220V
	Charging Time	4H / 5H
	Motor Type	Brushless D.C.Motor
	Motor Rated Power	250W
	Motor Rated Speed	410r/min
	Motor Rated Voltage	36V
	Controller Under-Voltage Value	31±0.5V
	Current Limit Value	15±1A
	Battery Fuse	Main Fuse 30A Secondary Fuse 10A
Product Features	Anti-thef System	Yes
	Smart App Control	No
	Front Light	Yes
	Rear Light	Yes
	Adjustable seat height	Yes
	Cruise control	Yes, within 8 seconds
	Brake Mode	Front & Rear Dual Disc Brakes
	Personalized Sticker	Allowed

Note: Battery Power, load situation, tire pressure, road environment, chain and axle lubrication will affect the Max speed; The mileage is measured at 25 km, Load weight is 60kg, the speed is 15-20km/h, the leveling &hardening road surface, and the battery completely exhausted from full charge, uninterrupted test; Driving habits, temperature, loading, tire pressure, road environment and other factors will affect the cruiser mileage.

Circuit Diagram



ATTENTION

Battery & Charging:

- Do not connect the positive to negative, or vice versa. Do not damage, disassemble, or short-circuit the battery. Avoid water, other liquid, or other foreign matter inside the battery to prevent short circuit.
- Instructions in this manual must be followed when charging the battery, otherwise the owner shall take sole responsibility for any consequences.
- Charge the battery only at the temperature between 0° and 45°, and discharge at -20°~ 60°. The charging current should not exceed 2A. Charge only in a wellventilated area, away from sun and heat.
- Use the original charger from the package to charge the battery. Connect the charger and battery before plugging the charger into the mains. Do not charge the battery for over 6 hours each time.
- When charging, if the charging indicator appears abnormal, a smell is released, or the charger overheats, stop charging immediately. Service or replace the charger.
- To stop charging, unplug from the mains before disconnecting the charger and battery.
- When the charging indicator turns green, stop charging.
- Do not leave the charger connected to any AC power source when not charging.
- When not in use, store the battery in a dry and cool place. Keep away from rain, fire, heat and high temperature. Do not put the battery in acid or alkaline liquid. Make sure to charge the battery for two hours each month.
- Before using the charger to charge a different battery, note the battery type and voltage that the charger may apply to.
- It is advisable not to carry the charger with your eBike. If you must, place the charger in a toolbox upon shock absorption treatment.
- Do not disassemble the charger or replace the parts and components in the charger on your own.
- Waste battery is classified as hazardous. Do not disassemble the waste battery on your own. It should be collected and recycled properly.

Riding your eBike

1. Do not use the eBike before reading this manual carefully and knowing your eBike thoroughly.
2. **This eBike is designed for riders aged 16-45. Anyone aged below 16 is strictly forbidden to ride this eBike.**
3. Do not lend your eBike to anyone who do not know how to use it, so as to avoid harm.
4. When adjusting the steering stem and seat tube, do not expose the minimum insertion marks.
5. Before riding, check the tire pressure. It is advisable to maintain at 35-45 PSI.
6. Before riding, ensure the power, lights, handles, brakes, wheels, reflectors and others are in good condition.
7. Before carrying people or objects on your eBike, learn the local laws and regulations, and abide by them.
8. Do not exceed the load capacity of 120 kg (or 264.60 lbs.).
9. Wear a helmet, and obey traffic rules.
10. Obey local traffic rules to keep to the right or left.
11. **Do not ride one handed.**
12. Do not ride on any motorized lane or in any pedestrian crowd.
13. It is advisable not to go over 15 km/h (or 9.32 mph) when riding on any nonmotorized lane, downhill, or paved road.
14. Slow down in rain or snow as required braking distances increase.
15. It is advisable not to ride in storms or any extreme weather.
16. Avoid impact on the motor.
17. Keep the bearings lubricated.
18. Do not park your eBike in any lobby, walkway, evacuation stairway, or emergency entrance/exit.
19. Do not charge or park your eBike inside any residential building. Keep away from combustibles when charging. Charging should not exceed 6 hours each time.

Maintenance

1. The front and rear wheels should be aligned to the center of the front fork and frame.
2. Park away from direct sunlight and rain.
3. Do not rinse the eBike. Wipe with a damp cloth to clean.
4. Check the motor and brakes frequently. Do not oil the braking system.
5. Regularly check all screws and keep them fastened.
6. Recommended torque specs: handlebar screw 60-80 kgf.cm (or 52.08-69.44 lbf.in), steering stem screw 175-200 kgf.cm (or 151.90-173.60 lbf.in), saddle screw 175-250 kgf.cm (or 151.90-217.00 lbf.in), and wheel screw 320-450 kgf.cm (or 277.70-390.60 lbf.in).
7. Regularly check the tension of the chain, which can be adjusted via the chain regulator.
8. Frequently check the tires for scratches, cracks or excessive wear. The inner tube and valve should be perpendicular to the wheel hub. Punctured, damaged or excessively worn inner tube and tire must be replaced immediately. Please contact professional technicians.
9. It is forbidden to modify key structural parts including the frame, front fork and steering stem, and any electrical parts. If damaged, replace with identical parts from our factory. Otherwise, the warranty shall be void and the owner shall take sole responsibility for any consequence.

Disclaimer

1. Our company reserves the right to modify and give final interpretation to the product model, specification, and other information contained in this manual.
2. The product model, specification, and other information contained in this manual is subject to any modification or change without notice.
3. The functions of the specific model referred to in this manual apply to this specific model only.
4. Without the prior written permission of the company, the contents of the manual may not be copied, modified, reprinted, disseminated or published in any form.
5. Please read this manual carefully before using the product, and operate in accordance with the manual. Otherwise, the company shall not be liable for any personal or property damage, including damage to the product, caused by misuse or abuse.
6. For more information, please visit our official website: www.dyucycle.com.



DYU E-bike Owners Group

Manufacturer: Shenzhen DYU Intelligent Mobility Technology Co., Ltd
website: www.dyucycle.com