



A DECE OASIS

A28 AIR

The Ultimate All-Rounder Urban E-BIKE



Belt Drive



Torque Sensor



100KM Long Range



High Efficiency Motor



IPS Color Display



Automatic Sensor Light

CROSS YOUR CITY ADOPT E-BIKE



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C O N T E N T S

Unlock Possibilities for Life



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01

G-Drive 5.0 Newly upgraded electronic control system

- *Belt Drive Transmission*
- *Torque Sensor*
- *High Efficiency Motor*
- *High performance battery*
- *100KM Long Range*
- *IPS colorful Display with Smart APP*

02

Safe & Comfortable Configuration

- *Safe Hydraulic Disc Brake*
- *Adjustable Front fork shock absorption*
- *Automatic sensor light*

03

The ADO Lab

- *EN 15194:2017 Certificate*
- *SGS QTL*
- *QTL Lab Assists with Mass Production*

04

Other Parts

- *Ebike Details*
- *Seat Tube Battery*
- *Color Option*
- *Specification*



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Part 01

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G-Drive 5.0 ***Newly upgraded electronic control system***

- *Belt Drive Transmission*
- *Torque Sensor*
- *High Efficiency Motor*
- *High performance battery*
- *100KM Long Range*
- *IPS colorful Display with Smart APP*



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Belt Drive

The belt transmission system provides a brand new transmission method for the A28 Air, which has the advantages of lightweight — 36% lighter than traditional chains, smoother transmission, and no idling- with a transmission efficiency of up to 98%, no longitudinal torsion force, longer service life — 1-2 times the chain life, less friction, and quieter noise— 10-15DB lower than chain transmission, no need to add lubricating oil, cleaner, maintenance free, and more environmentally friendly, making the riding experience more excellent.



More efficient



Environmentally friendly



**More durable
Maintenance free**



More quiet, no noise

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Torque Sensor

The A28 Air adopts non-contact bilateral torque sensors, which are sensitive in sensing, almost zero delay, high in output linearity, and have good following performance. Compared with traditional speed sensors and ordinary torque sensors, it provides a smoother, more labor-saving, and more comfortable riding experience, and helps to improve battery range—more than 30% longer than speed sensors and ordinary torque sensors, thereby improving overall vehicle efficiency

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Safe & reliable



- Considering both the strength and frequency of stepping,
- Accurately obtain control information;
- Easily navigate complex road conditions with frequent starts, stops, and sharp turns,
- Systemic real-time response, safe and free.

Excellent cycling experience



The power intervention and exit of the ADO torque system are infinitely close to the subjective intention of the rider, resulting in better follow-up and better riding experience, which can achieve the feeling of "car moving with people" and "person car integration".

Increase battery life



In the torque sensing scheme of ADO, the power output of the power system is based on the human stepping force (power output). That is to say, when a person has power output (power output), the power system will have a corresponding proportion of output and strong endurance.





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High Efficiency Motor

A28 Air uses an internal rotor motor with tangential magnetic steel distribution, small size, large torque, and ultra wide efficiency platform. The system efficiency is higher than 80%, which is more efficient and durable than traditional brush motors. The noise level of the gear set and the entire machine is lower than 50DB, making cycling more peaceful. The unique clutch scheme and non blocking design of the motor make cycling smoother and more labor-saving, making non-electric cycling a pleasure.

PEAK 500W



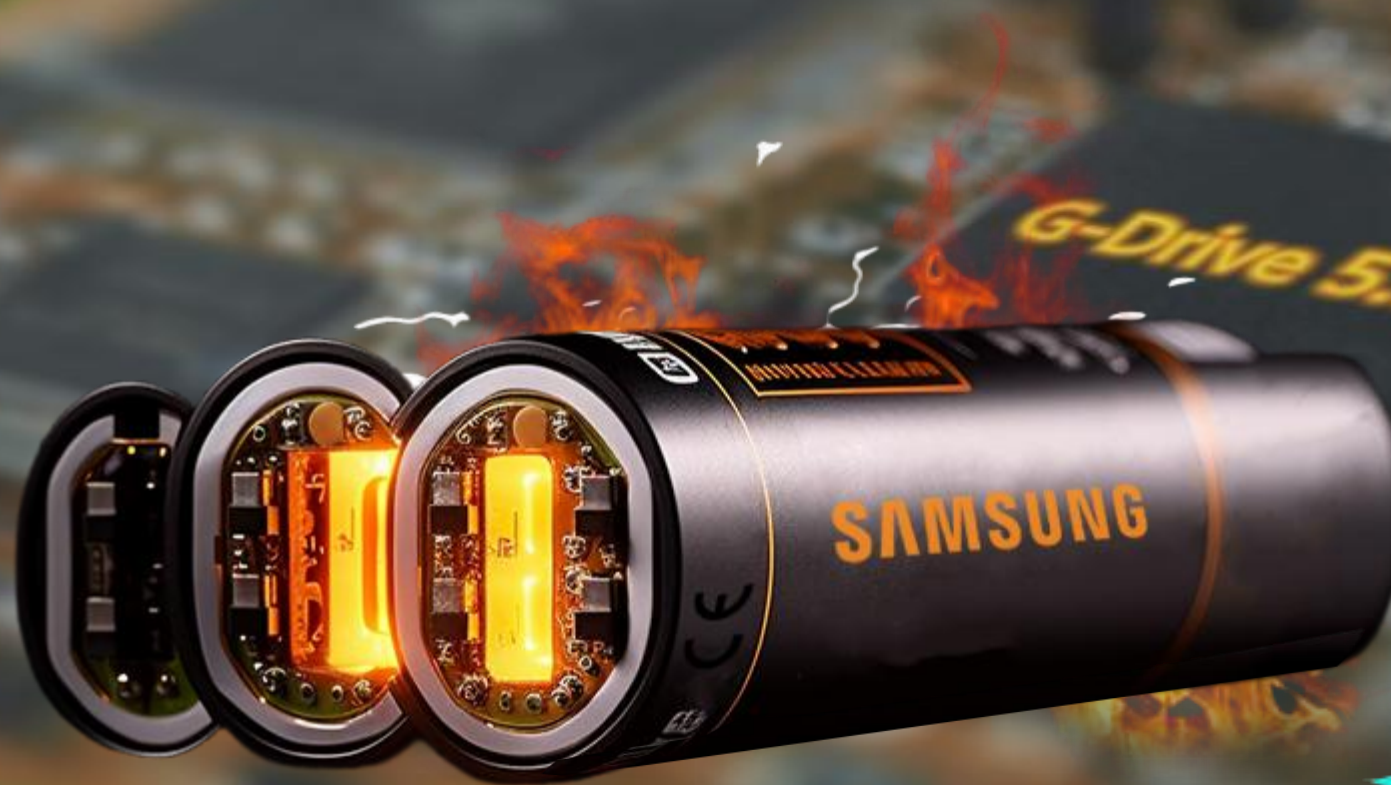
Noted:Rated power 36V/250W(65N.m) ; Peak power can up to 500W.



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High Performance Battery

The A28 Air battery pack adopts the iPhone battery level PACK assembly process, the battery cell uses Samsung INR21700-50G high-capacity battery cell, plus the advanced BMS Battery management system, to monitor the battery working status in real time, maximize the battery performance, range and battery life. The battery pack can be charged and discharged for up to 700 cycles.



+30% Performance

* SAMSUNG INR21700-50G 5000mh



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100 KM Long Range

The A28 Air adopts an ADO high-performance battery pack, combined with the ADO G-Drive 5.0 intelligent electronic control system, which can exceed the range of ordinary electric vehicles and increase the electric assistance of speed sensors by more than 30%. And ensure stable power output and reliable battery monitoring, enjoying an ultra long range of 100KM. Lightweight body and comfortable riding posture bring unparalleled riding experience, making it an essential companion for your green travel

100 KM

 **36V/9.6aH**

Samsung INR 21700-50G Battery



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ADO Smart APP



Cycling Data



E-Bike Management



Projected Navigation



Multilingual



Bike Computer APP

ADO SMART APP

IPS Colorful Display

3.5" central control large color screen features a gorgeous IPS sunlight display screen with navigation function, an ultra strong backlight display screen, and a 360° clear viewing angle in sunlight. Coupled with the ADO intelligent app, you can enjoy a dynamic cycling experience.



- **3.5"**
89.3 * 60.8 * 9.1mm (LxWxH)
- **2.5D**
480*320PX
- **26K TF**
Good brightness, high contrast, strong layering, bright colors
- **IP X7**
High waterproof level
- **Bluetooth**
- **Navigation**
One-click navigation, accurate arrival



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Part 02

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Safe & Comfortable Configuration

- *Safe Hydraulic Disc Brake*
- *Adjustable Front Fork Shock Absorption*
- *Automatic Sensor Light*



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Hydraulic Disc Brake

Compared with mechanical brake, hydraulic disc brake has the advantages of better braking effect, good handling experience, and longer service life and less weather influence, which meets the needs of high performance and safer travel.



Quick response

Liquid flow is more conducive to rapid response.



Strong braking force

Good braking effect and quick response.



Less maintenance

The damage of hydraulic pressure is much lower than that of mechanical disc brake.

QUICK RESPONSE



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Front Fork Shock Absorption

The adjustable front fork Shock Absorption can effectively reduce the impact of bumpy road surface on front wheels and improve driving stability and comfort. With locking function, you can freely choose the adjustment mode according to different needs, which is suitable for all kinds of terrain and makes you ride without worry.

**Adjustable
Shock-absorbing
Front Fork**

Potholes, Bumpy Road



Turn on the shock absorber

Potholes will bring discomfort and bumps to riding, turn on the shock absorber and the effect is the best.

City Flat Road



Turn off the shock absorber

On a flat road, the shock absorber will not work, and the movement of the shock absorber device will generate a certain resistance, thereby reducing driving efficiency.

Shock absorption locking

Right shoulder control mechanical locking of front fork

Rebound speed setting

Control the hardness of the rebound stroke of the shock absorber to suit different off-road venues





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Automatic sensor light

The photosensitive sensor automatically adjusts the brightness of the front light according to the intensity of the ambient light. Headlights automatically turn on when it senses evening is approaching, and the brighter the ambient light, the weaker the lamp. The weaker the ambient light, the brighter the headlights.

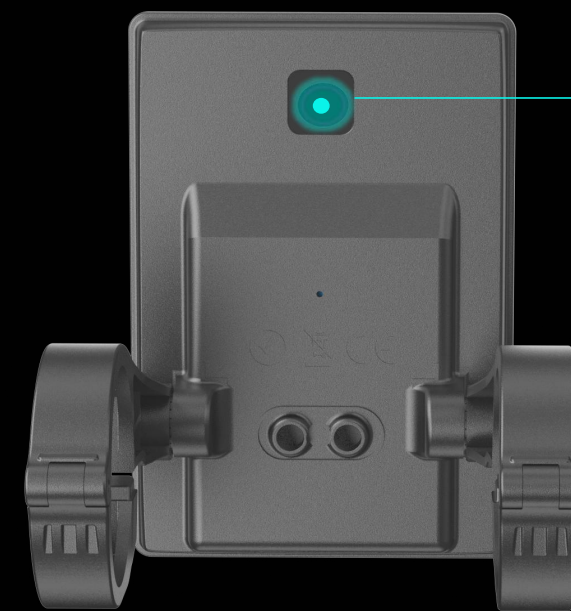


Ambient brightness



Light brightness

Intelligent photosensitive



**IPX7 waterproof*



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Part 03

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ADO Lab

- *EN 15194:2017 Certificate*
- *SGS QTL*
- *QTL Lab Assists with Mass Production*



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Certified by EN15194:2017

EN15194:2017 is the world's leading testing for electric bicycle, recognized as the benchmark for quality and integrity. Over the years ADO has been committed to reaching cooperation with SGS and DEKRA. Also the ADO QTL laboratory qualification plaque was awarded by SGS, ADO and SGS signed a strategic cooperation framework agreement on future "low-carbon travel" cooperation.

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No.: HGMDVOC2022060001

VERIFICATION OF CONFORMITY


Applicant: Shenzhen UMI Technology Co., Ltd.
 Address of Applicant: Rm#1008, Henglu E. Era, No. 159, Pingli Avenue, Pinghu Street, Longgang District, Shenzhen, China
 Product: Electric assisted bicycle
 Model/Type No.: A20 A1; A20 Lite
 Test Standard: EN15194:2017
 Test Report No.: SZEM220100051801R1
 SZEM220100051802R1
 GZHL2201002793BC
 GZES220100165331
 GZHL2203008069BC

This verification has been granted to the applicant based on the results of tests, performed by laboratory of SGS-CSTC on samples of above-mentioned product in accordance with the provisions of the relevant specific standards and the Machinery Directive 2006/42/EC. The CE mark can be affixed, under the responsibility of the manufacturer, after completion of a Declaration of Conformity and compliance with all relevant EC Directives and Regulations.

This Verification is valid from 13 Jun 2022, to 13 Jun 2027,
 13 Jun 2022, Issue 1,
 Authorized Signatory
 Joe
 Product Certification Manager

SGS-CSTC Standards Technical Services Co., Ltd.
 198 Kezhu Road, Sciencetech Park, Guangzhou Economic & Technology Development District, Guangzhou, Guangdong, China (Zip Code: 510663) www.sgs.com

SGS




Note 1: In addition, the manufacturer shall file and keep the documentation according to the rules of the applicable directive(s) and shall consider changes of the standards as they may occur. Additional requirements, additional directives and local laws may be applicable.
 Note 2: SGS assumes no liability to any party, other than to the client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this verification.
 Note 3: This verification remains the property of SGS-CSTC Standards Technical Service Co., Ltd. To whom it must be returned on request.

This document is issued on the Client's behalf, by the Company under its General Conditions of Service printed therein.
 The Client's attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

Any other holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and unless the Client instructs, if any, the Company's sole responsibility as to its Client and this document does not constitute notice by a transferee from the transferee of all their rights and obligations under the transaction documents.

SGSPAPER
20577217

ATTESTATION OF CONFORMITY

Issued to: Shenzhen UMI Technology Co., Ltd.
 Rm#1005, Henglu E. Era, No. 159, Pingli Avenue, Pinghu Street, Longgang District, Shenzhen, China

For the product: Electric assist bicycle

Trade name: ADO

Type/Model: A16, A20, A20F

Ratings: 250 W; 36 Vdc; Max. Speed 25 Km/h

Manufactured by: Shenzhen UMI Technology Co., Ltd.
 Rm#1005, Henglu E. Era, No. 159, Pingli Avenue, Pinghu Street, Longgang District, Shenzhen, China

Requirements: EN 15194:2017

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6108299.50(A-B).


This Attestation implies that the examined types are in accordance with the standards designated under the Machinery Directive 2006/42/EC.

The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

The CE marking may be affixed on the product if all relevant and effective EC directives are complied with.
 Amhem, 6 June 2022 Number: 6108299.01AOC

DEKRA Testing and Certification (Shanghai) Ltd.

Kate Xu
 Certification Manager
 © integral publication of this attestation and adjoining reports is allowed



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ADO Laboratory

QTL (Qualified Testing Lab) of SGS



Located at the core of our product development, the ADO Technology Center (QTL) is an impressive complex which spans an area of approximately 3,300 square meters. Consisting of four distinct laboratories, testing and experimentation are at the forefront of our research and development. As many as 78 different test procedures can be conducted on-site, allowing us to create innovative solutions for our customers. Inside this state-of-the-art facility, our expert team of developers work diligently to ensure that our products meet the highest of standards.



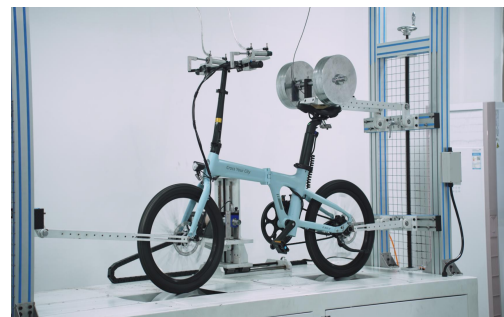
Battery test



Motor test



Frame vertical test



Comprehensive test



Material corrosion resistance test



Universal Material test

ADO Technology Center

The Technology Center

Area: 3.300 square meters

Functions: research and development, testing

Special feature: SGS authorized QTL laboratory

The technical team:

32 Full-time technician

3 External Doctors

3 Master and 1 Senior Engineer.

Awards:

2 Invention patents

19 Utility model patents

3 Software Copyrights

7 Design patents





QTL facilitates mass production

ADO QTL Lab provides accurate, reliable and timely test data for production to ensure product quality.

- ① *Development stage: To expose all aspects of product defects;*
- ② *Evaluate whether the product reliability can reach the predetermined index;*
- ③ *Production stage: providing information for monitoring the production process.*
- ④ *Evaluate or accept the reliability of the finalized products,*
- ⑤ *Last stage: To improve product reliability, formulate and improve reliability test scheme, etc.*

Therefore, the product quality is strictly controlled from IQC, IPQC, FQC, OQCD and other links.



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Part 04

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Refine On Details

- *Ebike Details*
- *Seat Tube Battery*
- *Color Option*
- *Specification*

Refined Every Way



A DECE OASIS

Tire

Thickened inner tube,
anti-puncture outer tire



Ring bell

Built-in Airtag anti-theft device



Pedals

Foldable



Bright waterproof front light



Breathable cushion



Rubber silicone grip





A DECE OASIS

Sleek Seat Tube Battery Design

Steady, Strong and Convenient

The battery is perfectly hidden in the seat tube, which makes the appearance of the whole vehicle more beautiful, and makes the center of gravity of the whole vehicle lower, it improves the driving stability and controllability, is easy to disassemble and replace.

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Step ①, loosen the seat pipe clamp.



Step ②, take out the seat bag.



Step ③, take out the battery.



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Available Color



Yellow



Blue



Grey

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Specification

Product Description

<i>Color</i>	<i>Yellow&Blue & Grey</i>
<i>Tire size</i>	<i>700C*45C</i>
<i>Overall unit dimensions L×W×H</i>	<i>1920*650*1150mm</i>
<i>Package dimensions L×W×H</i>	<i>1580*240*830mm</i>
<i>Product weight</i>	<i>21.5 KGS</i>
<i>Gross weight</i>	<i>30.6 KGS</i>
<i>Max.Load</i>	<i>120KGS</i>
<i>Waterproof level* (Vehicle)</i>	<i>IP X5</i>
<i>Waterproof level*(Display)</i>	<i>IP X7</i>
<i>Max.Speed</i>	<i>30 KM/H</i>
<i>Climbing angle</i>	<i>20°</i>
<i>Electric range</i>	<i>/</i>
<i>Assisting range</i>	<i><100 KM</i>

Battery

<i>Battery brand</i>	<i>SAMSUNG INR21700</i>
<i>Battery capacity</i>	<i>36V/9.6Ah</i>

Motor

<i>Rated power</i>	<i>36V/250W</i>
<i>Torque</i>	<i>65N.m</i>

Other

<i>Transmission system</i>	<i>Belt drive</i>
<i>Sensor</i>	<i>Torque sensor</i>
<i>Brake system</i>	<i>Hydraulic disc brake</i>
<i>Damping system</i>	<i>Adjustable front fork shock absorption</i>

Hardware

<i>Display</i>	<i>3.5" IPS colorful display</i>
<i>APP</i>	<i>ADO Smart APP</i>



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THE END

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