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OXWIN ES1

ES1 is a zero-emission electric scooter specially designed for rapid commuting in cities. From home to company, make sure that every trip of the knight can feel free, safe and efficient.

100 KM/H

top speed

120 KM

Range(isokinetic method*)

72 V 48 AH

2 * battery capacity

3.0 S

0-50KM/H acceleration

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6000 w

Peak power of motor

200 N·m

Peak torque

Battery extraction

Quick battery removal and replacement

¾ helmet

Super large storage space

Quick disassembly of rear wheel

Minute-level rear wheel maintenance

FOC v3.0

Vector controller

Double parallel connection

BMS 2.0 battery management system

Integrated power

Integrated power system

TURBO mode

Beast likely power output

CBS linkage system

Front and rear disc brakes

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¾ helmet

Super large storage space

Battery extraction

Take out 2 batteries quickly.

Super disc brake disc

Front disc 240, rear disc 265

Electric exchange platform

exchange platform
Layout of rapid power

CBS linkage system

Front and rear disc brakes

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Strong passability

Front 14-inch and rear 13-inch tires

rear wheel quick- release structure

Minute-level rear wheel maintenance

Energy recovery range +8%

Control electrodeless intelligent energy recovery brake

Car-grade charging port

compatible with automobile AC charging pile.

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Side brace induction

Anti-theft monitoring

Vehicle positioning

Smart Key

OTA remote upgrade

Color screen instrument

Cruise control

Battery safety detection

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OXWIN is ES1

Competitive products of the same kind in the international market

VS

GOGORO S2 in Taiwan Province

Single-arm hub electric motor	Electric motor	Central electric motor-chain drive
Rated 3.0 KW peak 6.0 KW (80KM/H); Rated 2.2 KW Peak 4.5KW (45KM/H)	power	rated 3.0 KW peak 6.4kw.
200 Nm	torque	205 Nm
100 KM/H or 45KM/H	Top speed	90 KM/H
3.0 S	0~50KM/H acceleration	3.9 S
120 KM (Double battery)	range	110 KM
7v24ah× 2, totaling 3.46KWH	lithium battery	Batteries are not included. Batteries are rented additionally.
	Selling price	RMB 35000

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ES1 commercial food delivery series

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ES1 regular edition

ES1 commercial food delivery version

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Core technology

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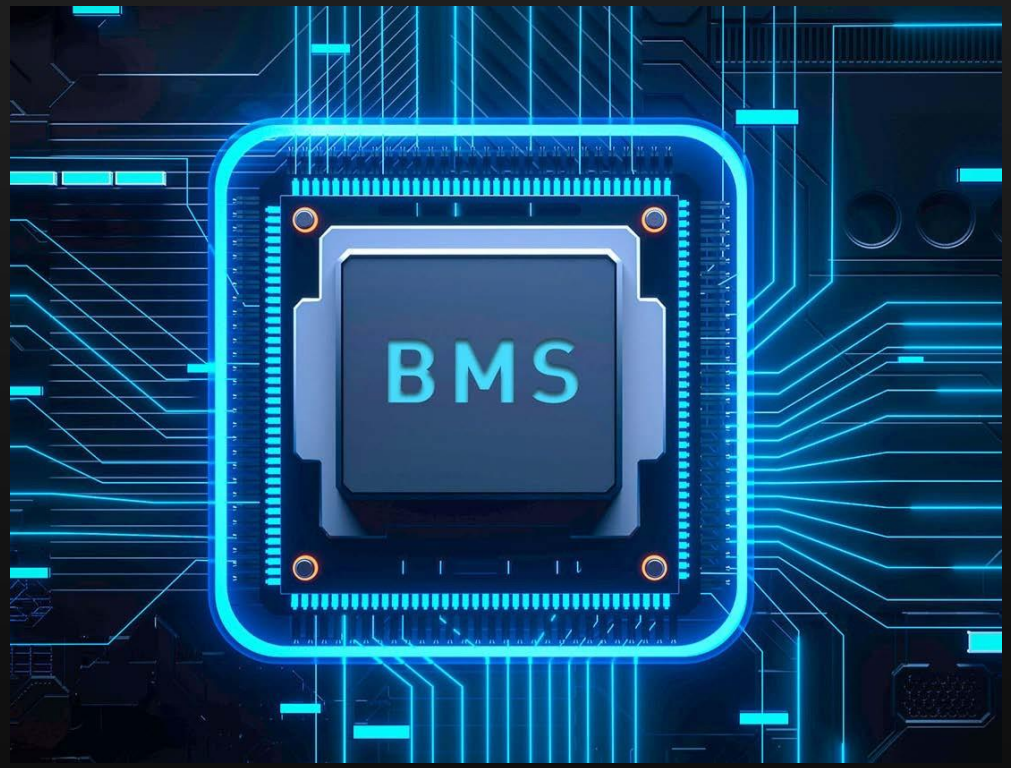
BMS v2.0 intelligent battery management system

OXWIN technical team and DE.POWER professional team jointly developed the double parallel system and the BMS bottom model of the exclusive controller, which collected the voltage, current temperature and the charging and discharging times of the battery pack in real time, and gave the battery six times of safety protection through the precise SOC algorithm. Monitoring and synchronizing the data with APP in real time, effectively protect the battery and prolong the service life of the battery.



- Double parallel connection
- Battery equalization
- fault diagnosis
- Overcharge protection
- Overdischarge protection
- Short circuit protection
- overcurrent protection
- Temperature protection
- MOS fault protection

OXWIN Core technology

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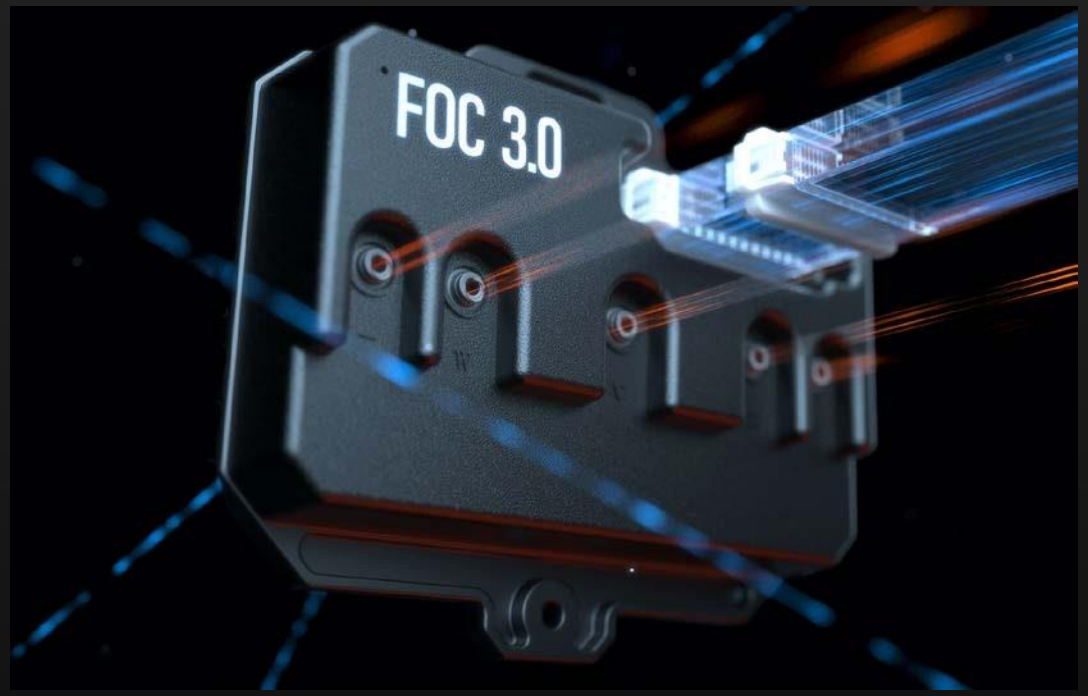
FOV3.0 vector controller

OXWIN technical team and VOTOL professional team jointly developed FOV3.0 vector controller. FOV3.0 vector controller accurately controls the electric motor, which can quickly and smoothly complete the acceleration in a short time. From to 50km/h only takes 2.6S. It can also accurately analyze the riding data. There are four modes including economy, standard, sports and TUBRO. Knights can freely adjust it according to road conditions and terrain, thus can easily respond to all road conditions.



Four modes

ECO NOMAL SPORT TURBO

Energy recovery

Control electrodeless intelligent energy recovery brake

2.6s acceleration

0-50KM/H acceleration

Car-grade communication

The whole vehicle adopts CAN communication structure

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Core technology

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Integrated power integration system:

-highly integrated: OXWIN launched an integrated power integration platform (electric motor, controller, aluminum alloy fork).

-Efficient operation:6.0Kw high-power hub electric motor with self- developed FOC3.0 vector controller can give full play to efficient and stable power output and accurate traction control. This design makes the transmission distance between the controller and the electric motor shorter, the energy loss is smaller, and the overall operation efficiency is improved.

-Convenient maintenance: For the convenience of later maintenance, the hub quick disassembly design is introduced innovatively, which can achieve the maintenance efficiency of split disassembly of hub in minutes;

100 KM/H

top speed

6000 w

Peak power of motor

3 in 1

Motor, controller, flat fork

Quick maintenance

Quick release of rear hub-patented structure