MIDDLE DRIVE MOTOR

NEW INTELIGENT TORQUE SENSOR
iNTRODUCTION

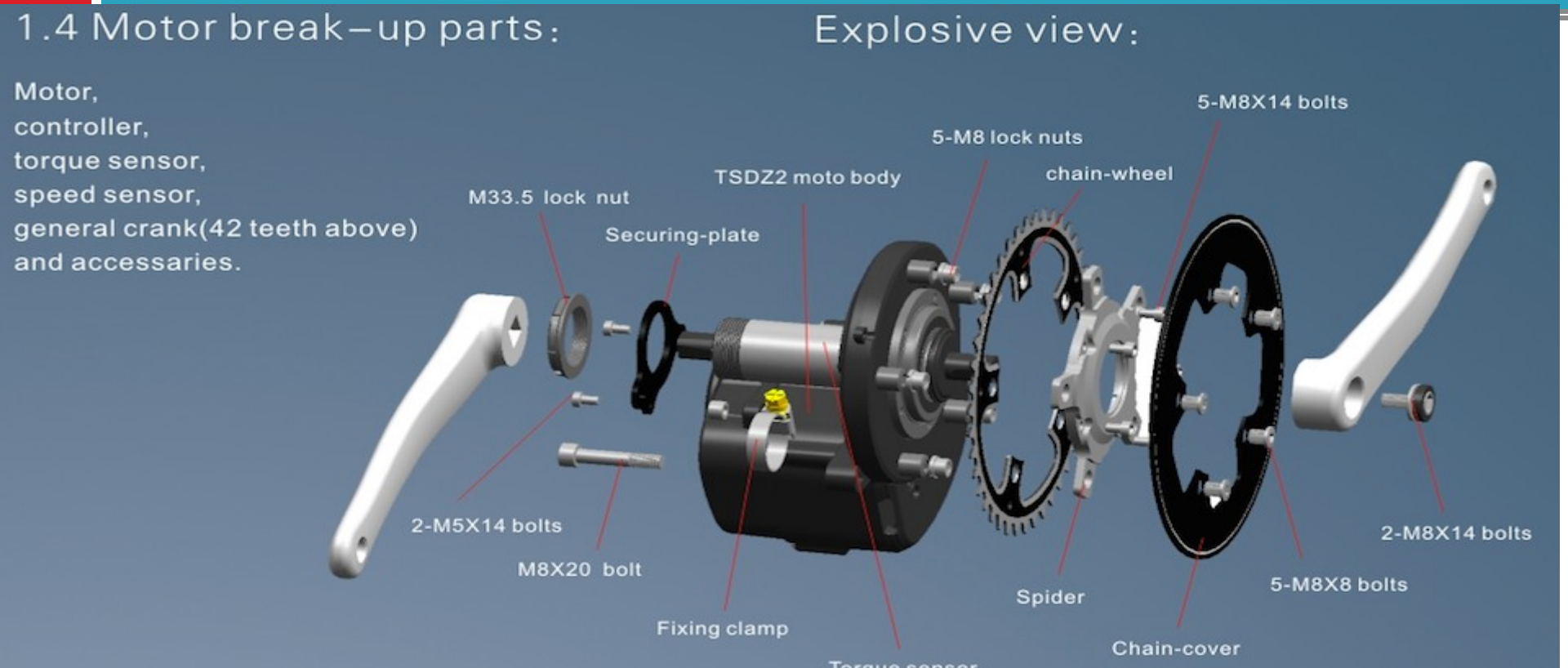
Chonqqing Dragon&X-max

Catalogue

A. Complete bike effect pictures

with mid drive motor

B. Motor break-up parts



C. Summary of product characteristics

1. Stronger climbing ability

1.1 It can climb 25% slope easily and start at zero distance on the slopes
The max torque can reach 58N.m

2. Longer mileage, the max mileage reach 140km

Mid driven motor mileage test report-1						
Model	26 inches Mountain ebike					
Motor	36V250W/3600RPM					
Road condition	Flat asphalt road surface					
Load	75kg（include ebike）					
Battery	36V5.2AH Lithium battery			36V10AH Lithium battery		
Display level	Low	Middle	High	Low	Middle	High
Mileage（transmission ratio：42T-16T）	70-80km	50-60km	35-40km	120-140km	100-110km	70-75km

Mid driven motor mileage test report-2						
Model	26 inches Mountain ebike					
Motor	36V350W/4000RPM					
Road condition	Flat asphalt road surface					
Load	75kg（include ebike）					
Battery	36V5.2AH Lithium battery			36V10AH Lithium battery		
Display level	Low	Middle	High	Low	Middle	High
Mileage（transmission ratio：42T-16T）	60-70km	40-50km	30-35km	100-120km	80-90km	60-65km

C. Summary of product characteristics

3. Nice commonality, easy assembly

can be

installed on all bicycles

4. Small and light

, total weight only 3.4kg

5. Intelligence, Safety and more comfortable riding feeling

C. Summary of product characteristics

6. Advanced technology, intelligence, stable performance

6.1 Integrated intelligent torque sensor.

It can timely induct the rider's pedal power, rotating speed, the driving conditions of vehicle, and send the signal to CPU. After CPU make calculation, it will order the motor keep consistent work frequency. Thus make riding more comfortable and safe.

6.2 Using passive signal transmission military technology.

Passive signal transmission technology is a kind of no power transmission technology, sensors work don't need electricity, signal transfer more security and stability.

6.3 Using integrated circuit

Using integrated control circuit design, the performance is more reliable, with higher response speed.

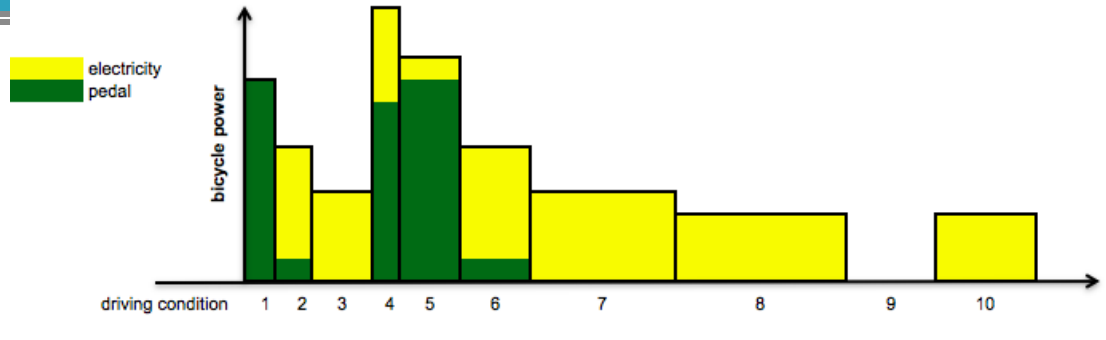
6.4 Reserving intelligent set port for power ratio and mode. Realizing personalized customization according to the requirements of different rider.

D. The performance difference between

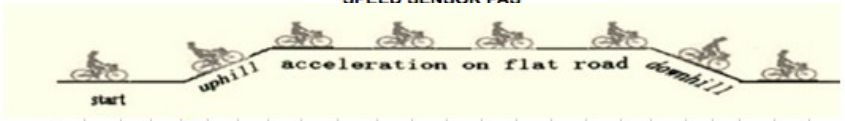
Intelligent torque and speed sensor mid drive motor

1.Speed sensor system working principle

short mileage, poor power drive operation ,not intelligent and not safe



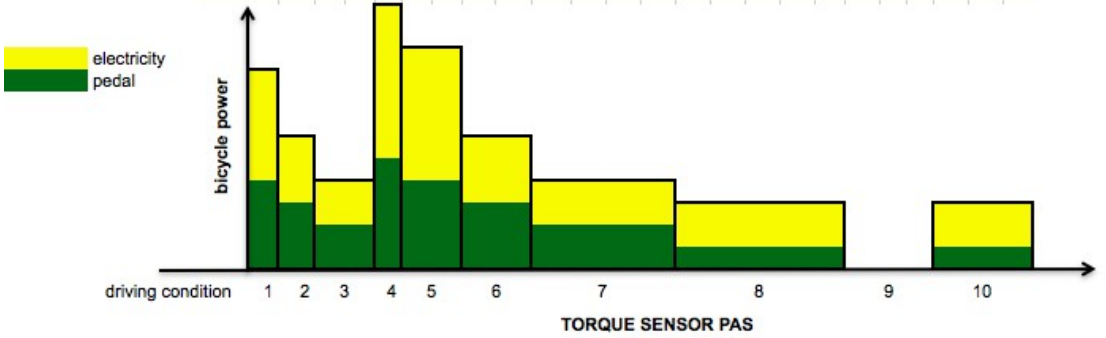
SPEED SENSOR PAS



2.Torque sensor system working principle

Advantage: stronger climbing ability, save electricity, longer mileage, comfortable, easy and friendly operation, safe

Disadvantage:expensive



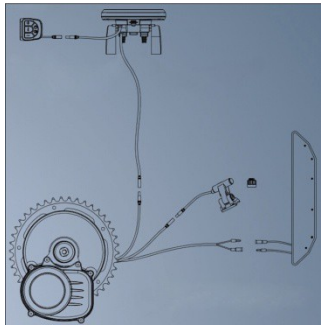
TORQUE SENSOR PAS

1、Power assembly suite

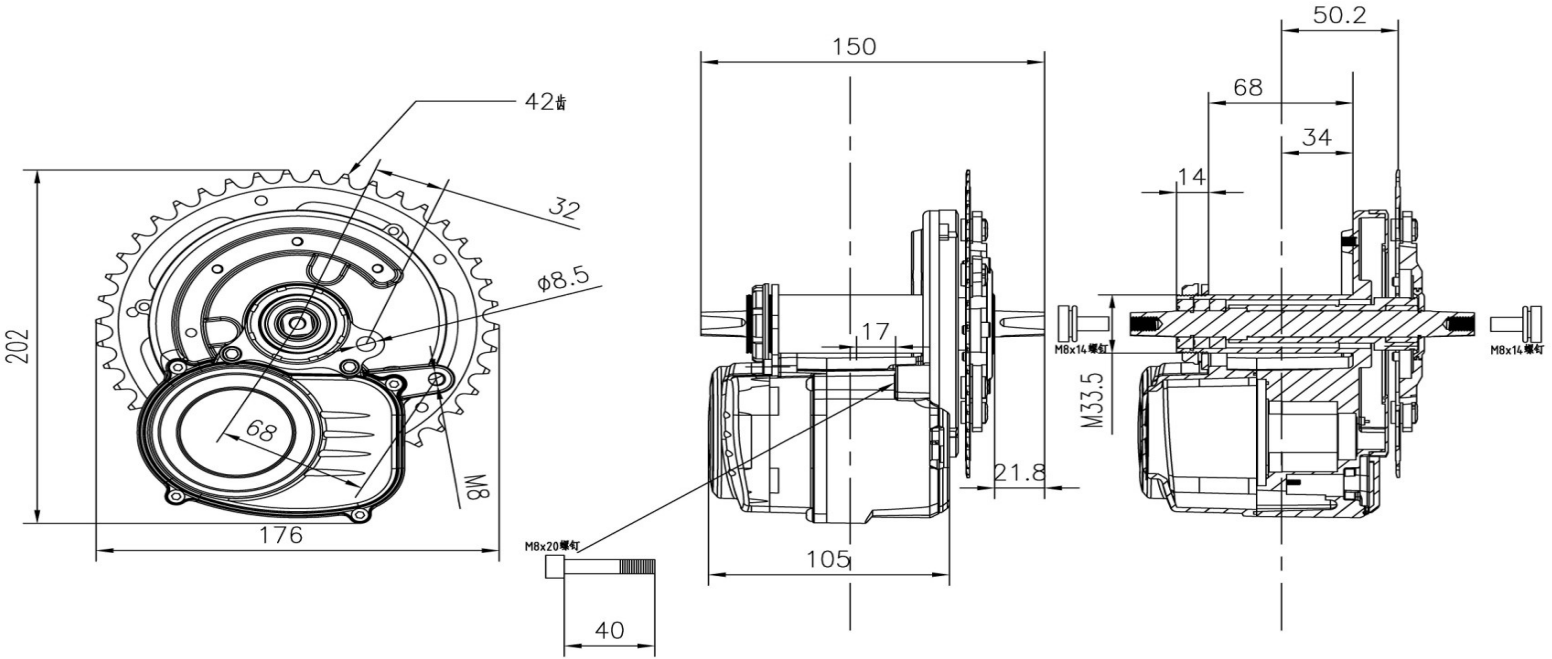
1.1 Mid drive motor　　1.2 LCD display

sor

2、Connection and install method



F. Mid drive motor Drawing



H. Available Spec.

Spec.1 :

36V250W

Max torque : 50N.m

Max power : 250W

Max speed : 25km/h

Rated voltage : 36V

Spec. 2:

36V350W

Max torque 58N.m

Max power 350W

Max speed 25km/h

Rated voltage 36V

Spec. 3 :

24V250W

Max torque : 42N.m

Max power : 250W

Max speed : 25km/h

Rated voltage : 24V

Spec. :

24V350W

Max torque 49N.m

Max power 350W

Max speed 25km/h

Rated voltage 24V

is not need to limit at 25km/h, 36V350W max

speed 37km/h 36V250W motor max speed 33km/h.