

# XMK e-Bike System



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# XMK e-Bike System

## 1. Overview

This product is a bicycle intelligent electric power system products, unique design, strict product testing, quality assurance, product has a smart, green, efficient, comfortable ; system can automatically adjust motor output depending on the size of the rider pedal , making the ride is always easy and smooth, and daily travel and fitness of integration;

## 2. Features

- u Based on the torque sensor , system is the perfect choice of bike modification;
- u XMK Torque sensor is a **patented product**, assembled inside of motor , measurement accuracy,easy installation,dustproof,waterproof;
- u Six power mode , you can choose 0-6 ASSIST in the meter
  - 0 : Cycling only - Without Motor Assist, speed not limit;;
  - 1-5 : Assisted power - Automatically adjusts the motor output according to the size of the pedal force, 25Km/h max speed;
- u Conserve power and extend battery life, Lithium Polymer battery - 36V 6.3Ah, 65-85km per battery with gentle pedalling on a flat surface,
- u Meter using the LCD screen ,showing clear and intuitive ;

## 3. System components



## XMK e-Bike System

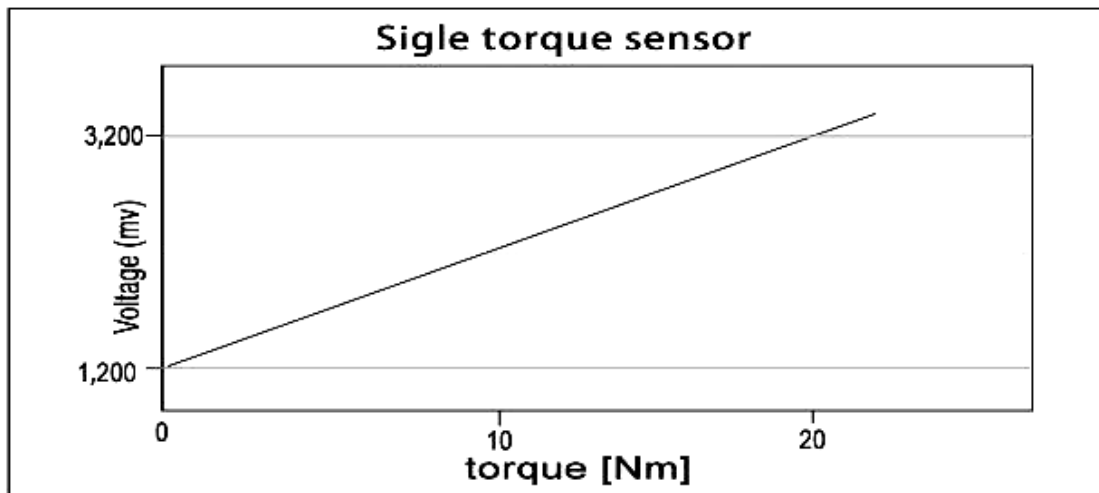
NO	Name	Model	Qty	Remarks
1	Meter	KT-LCD-TS	1	Lcd Dispaly
2	Controller	KT36ZWS-TS	1	
3	Motor	XMK-006	1	Torque sensor built-in motor
4	Torque sensor			
5	Speed Sensor	BZ-10	1	

### 4. Technology Parameters

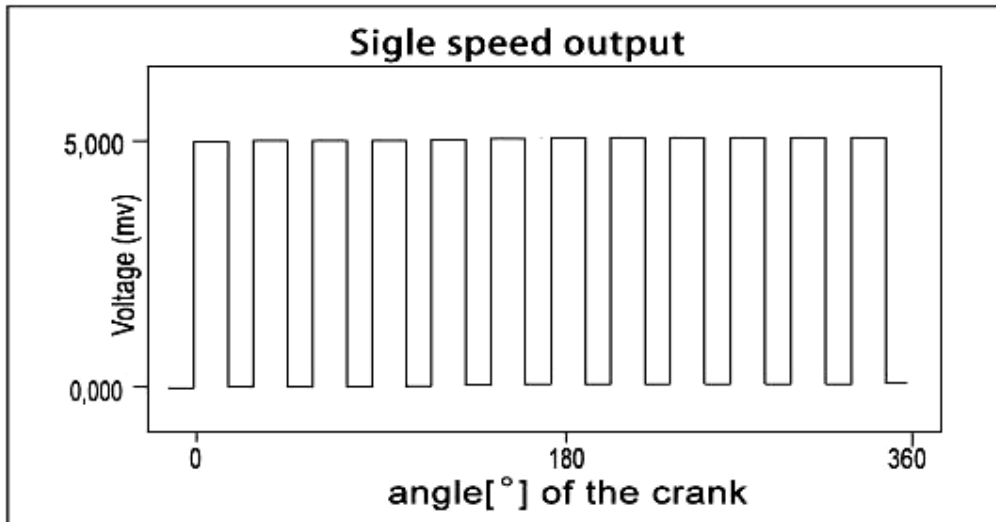
#### └ XMK Torque sensor Technology Parameters



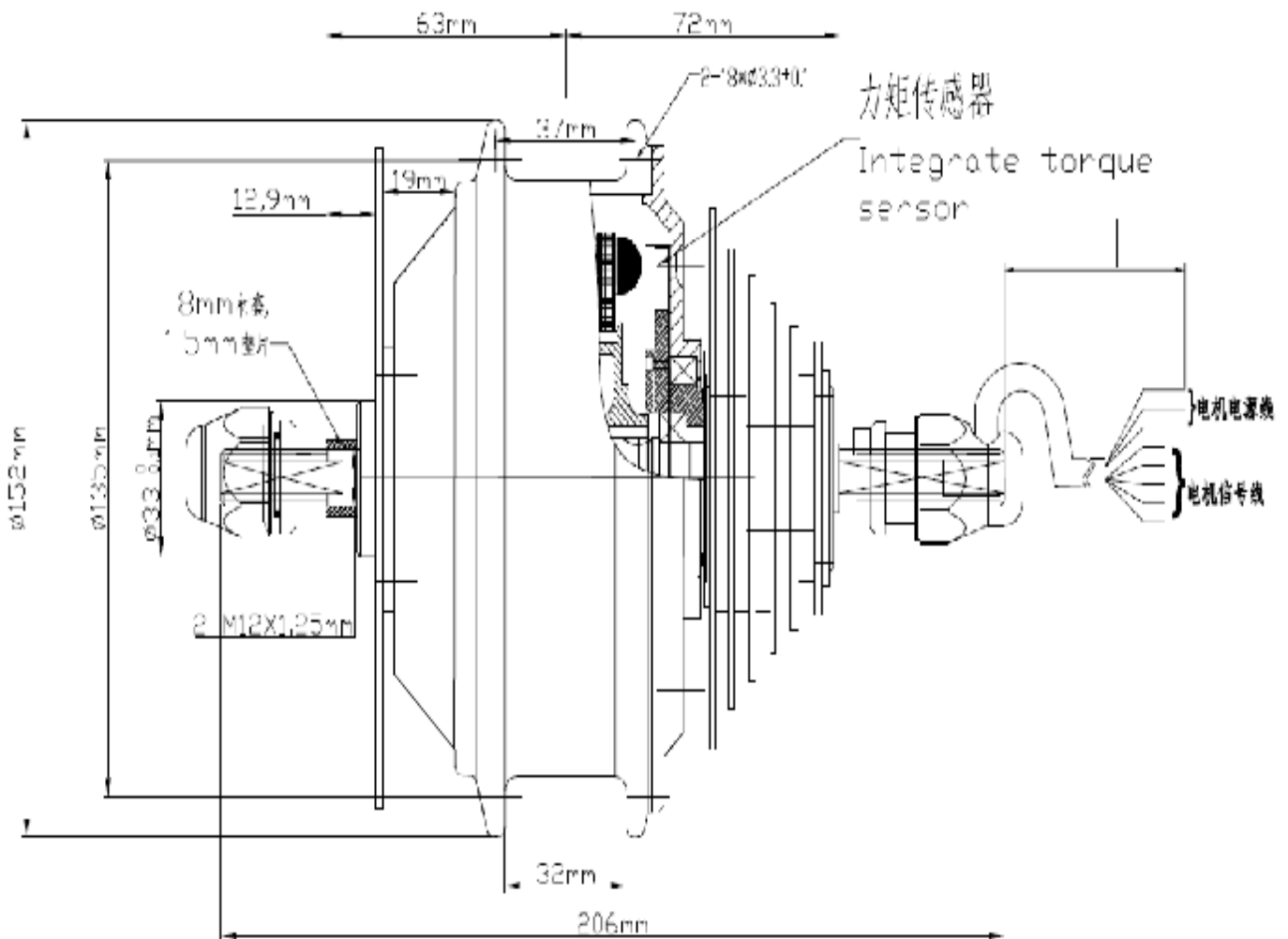
Range	0-20 N.m	Voltage	5 VDC
Signal	1.2- 3.2 VDC	Speed	Square wave



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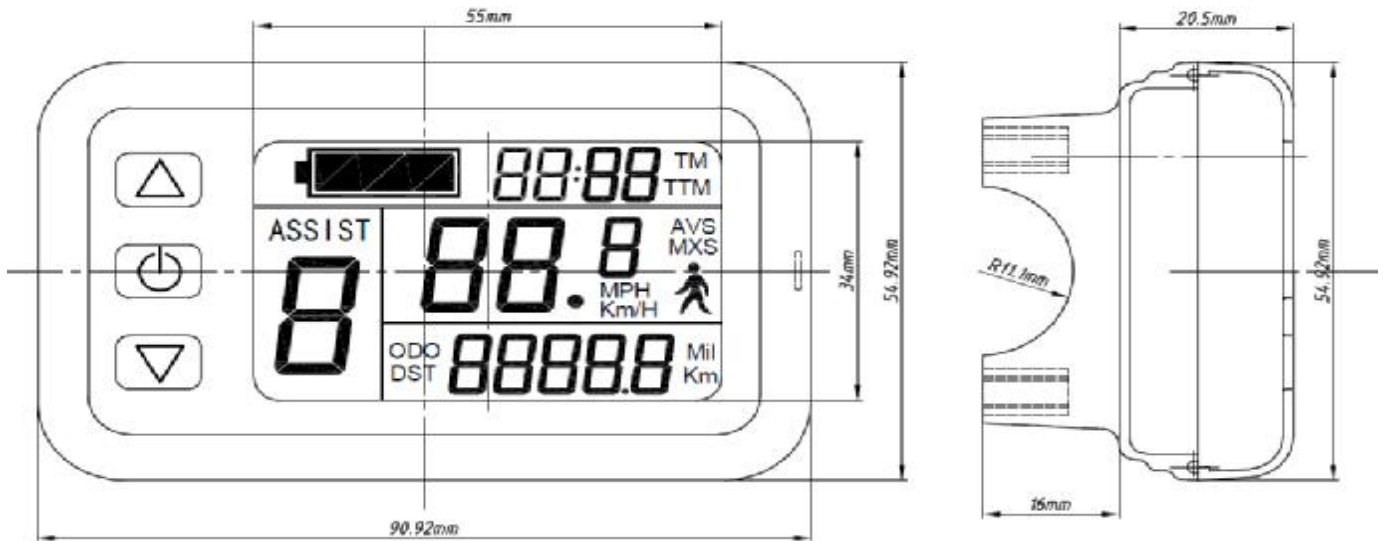
## Motor Technology Parameters


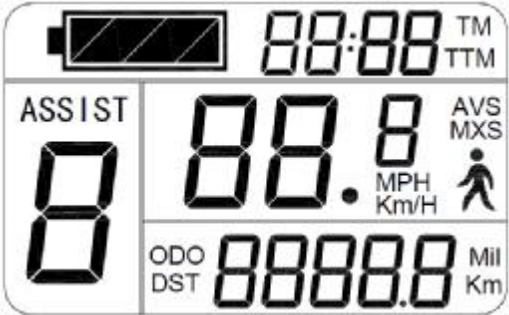


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Rated Voltage	24/36/48 VDC	Drive and freeheeltype	5s/7s
Rated power	180-350 W	Spoke specification	Shaft center right
Max speed	180-370 rpm	Hall sensor	Not intall
Rated efficient	≥80%	Weigt	3.5 Kg
Open size	135 mm	Break type	Disk/V break
Color	Black/ Sliver.	Surface	Painted

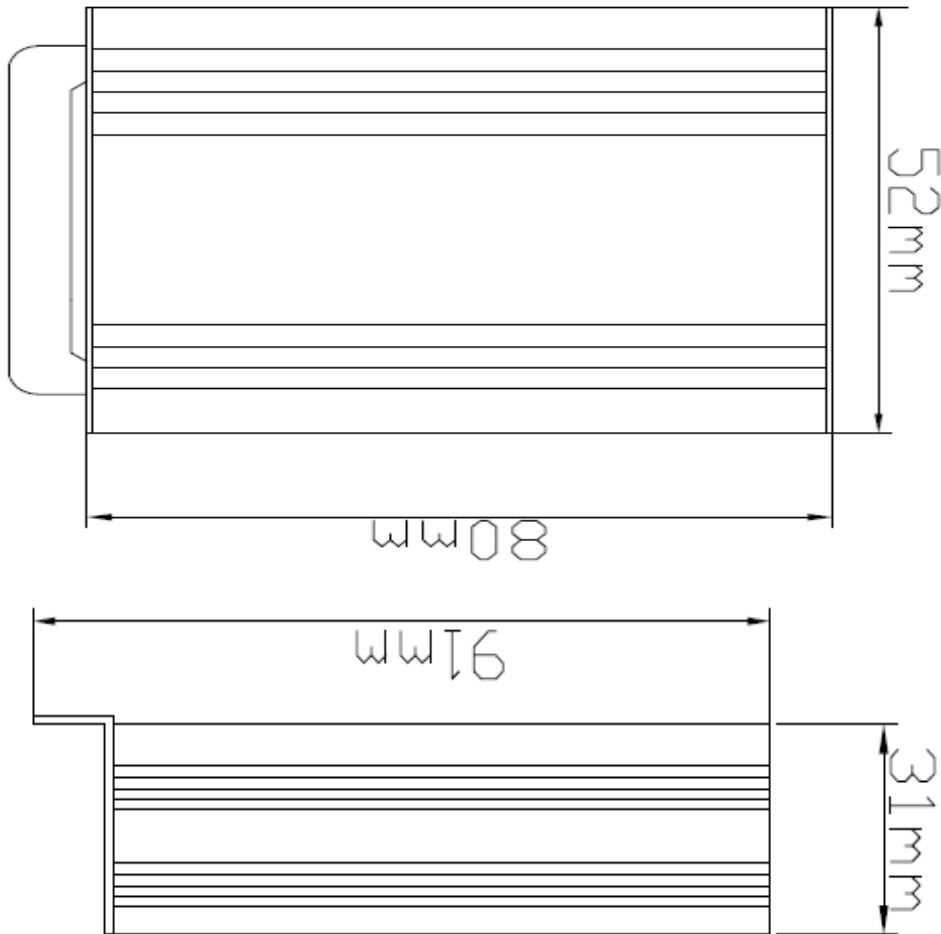
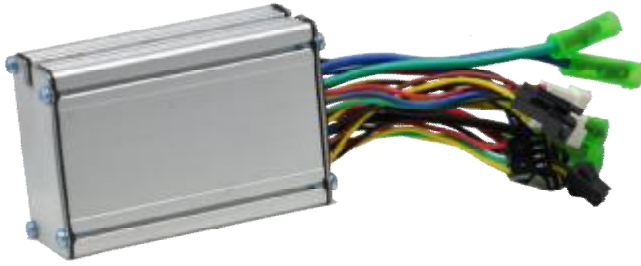
### U Meter Technology Parameters



Screen	LCD screen display
Button	3 Keys , Can operation, and setting, choose 0-5 ASSIST; 
Display	 <p>battery indicator ,current/AVG/MAX speed, trip time(TM), motor power ratio(ASSIST), trip distance (DST)/ODOMeter, 6Km/h assistant power mode, electrical system malfunction code.</p>
function	Timing function , Gear auto saving function , Advanced setup function ,

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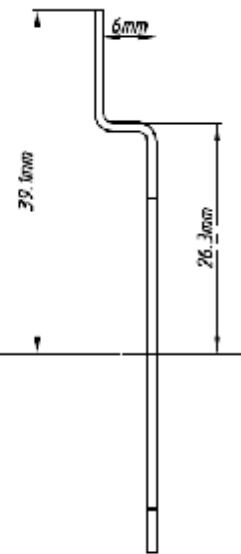
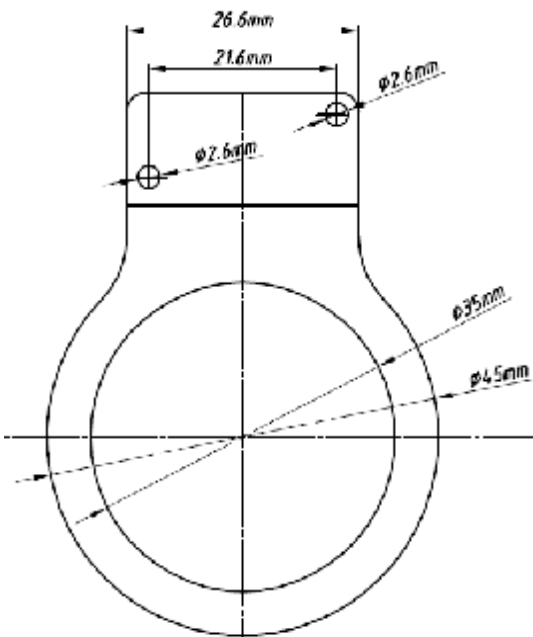
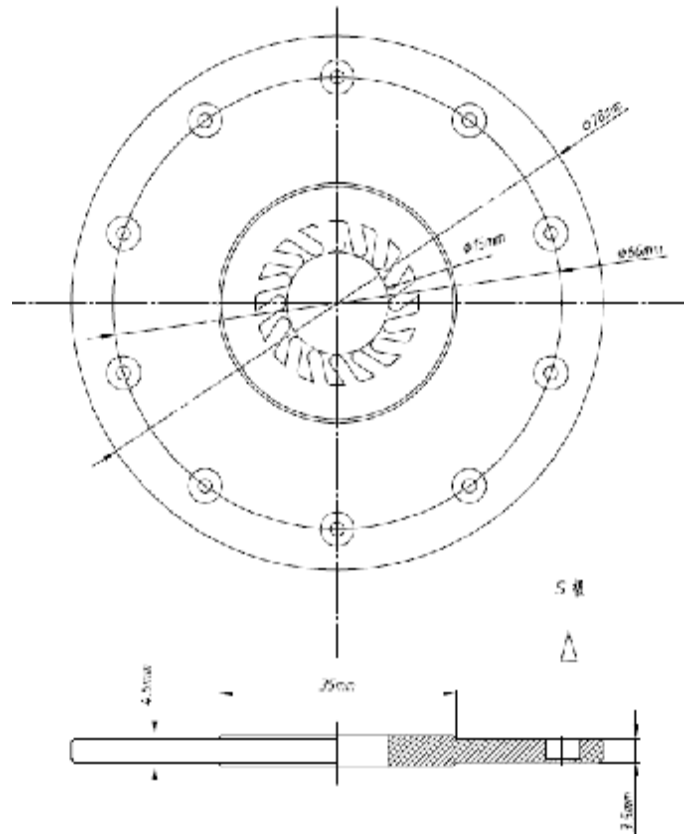
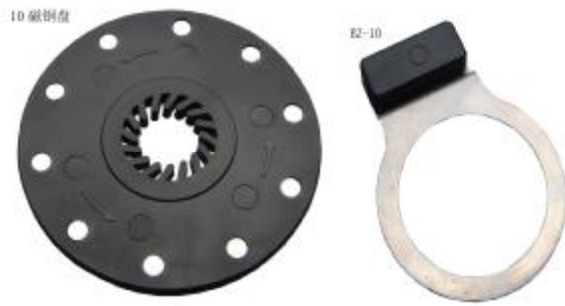
## Controller Technology Parameters



Rated Voltage	24V/36V/48	Operating voltage	20_30V/30_45V/40_60V
Rated Current	5A / 10A	Max Current	10A / 20A
Rated Power	120W /480W	Max Power	240W/ 960W

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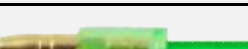

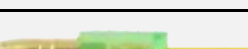


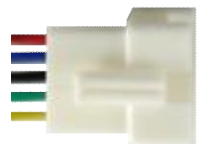





## u Speed sensor



speed sensor is installed in the bicycle bottom bracket, accurate output stepping speed;

## 5. system connection diagram

## XMK e-Bike System

Controller	Line NO.	Define	Color	Connect	Connect	Connect components
	1	Battery +	Ref			
	2	Battery -	black			
	1	Motor A	Blue			
	2	Motor B	Green			
	3	Motor C	yellow			
	1	Torque VCC+	Red			
	2	Torque power -	Black			
	3	Torque singal A	Green			
	4	Torque singal B	Yellow			
	1	Meter V+	Red			
	2	Power out	Blue			
	3	Meter V -	Black			
	4	TX	Green			
	5	RX	Yellow			
	1	Speed Sensor V+	Brown			
2	Speed Sensor V -	Black				
3	Speed singal	Yellow				

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