

# TUBE MOTOR

*Meet the Demand for Meet All Kinds Of E-Bikes*

**2021**

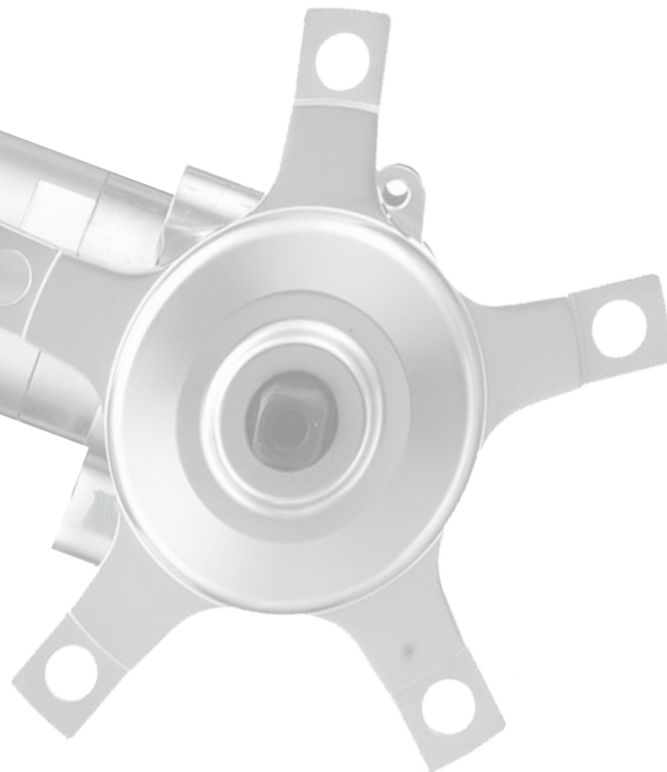
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— WELCOME TO ATSU-MOTOR E-BIKE WORLD —



# *TUBE Motor inside the frames* *E-BIKE system total solution*

The main feature of the E-bike is the hidden motor design built into the down tube or the seat tube that is completely hidden in the bike body. With the dual clutch design, the rider can ride with ease and comfort.

ATSU Motor is the innovation to design with dual clutches. When the rider chooses the normal bicycle mode, riding E-bike can ride along just like normal bike when there is no power supply .

In addition, the ATSU Motor can supply 5 modes to assist riders' needs.

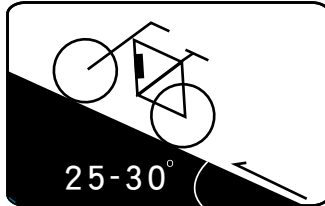
With this driving system, rider can freely , safely and comfortably to complete any challenge on the road.



ATSU-MOTOR dual clutches system let bikers ride smoothly as the normal bicycle when there is no power supply. **Motor Power Suggestion** ➡ **200W Folding Bikes**

**250W Road Bike/MTB**

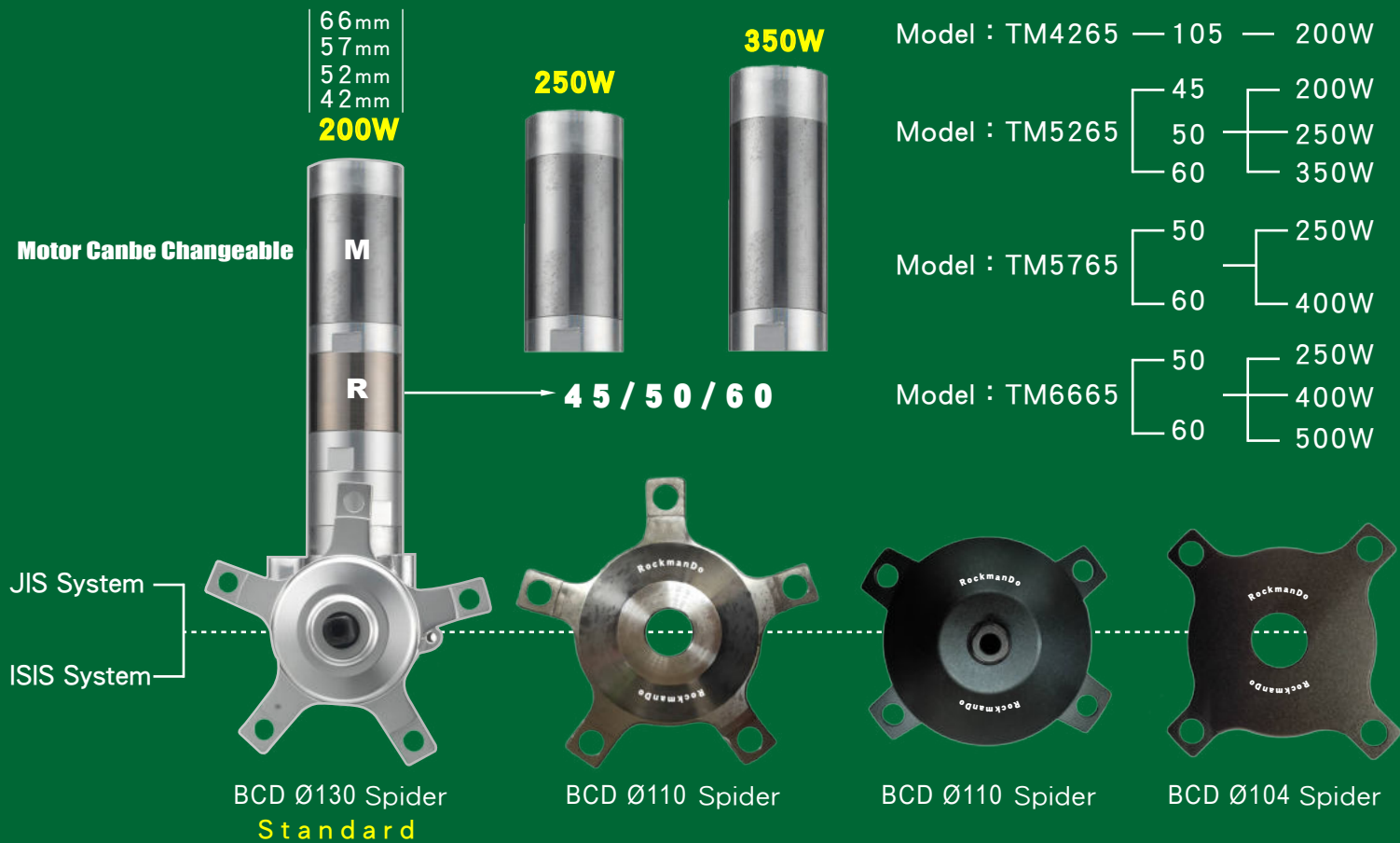
**350W Downhill/MTB**



➡ **Ride Uphill with Ease 25 - 30°**

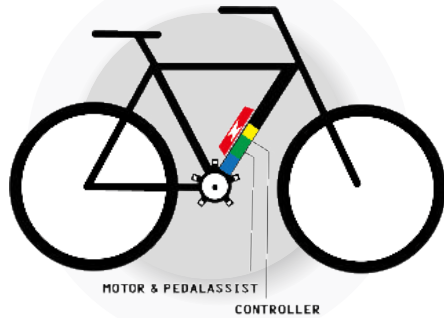
Model	TM-4265	TM-4865	TM-5265		TM-5765		TM-6665	TM-6680	
Motor Type	BLDC MOTOR								
Voltage	36V	24V	36V		36V		36V	36V/48V	
Output Power	200W	200W	250W	350W	250W	400W	250W	400W	500W
Output Torque	50Nm	50Nm	61Nm	76Nm	61Nm	87Nm	61Nm	87Nm	98Nm
Weight	2.8Kg	4.08Kg	3.6Kg	3.8Kg	3.7Kg	4.0Kg	3.7Kg	4.0Kg	4.2Kg
Storage Temp	-20°C ~50°C								
Speed Sensor	Standard								
Torque Sensor	Optional								

# TM series power system

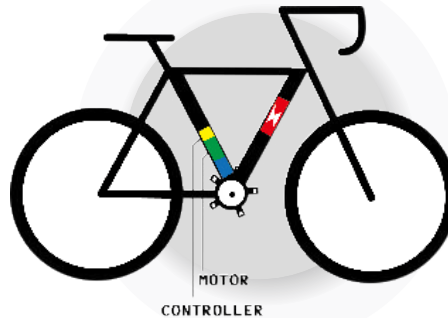


# POWER SYSTEM

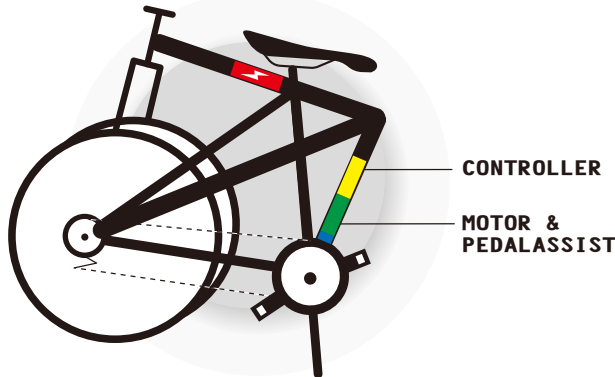
*Motor is installed the down tube*



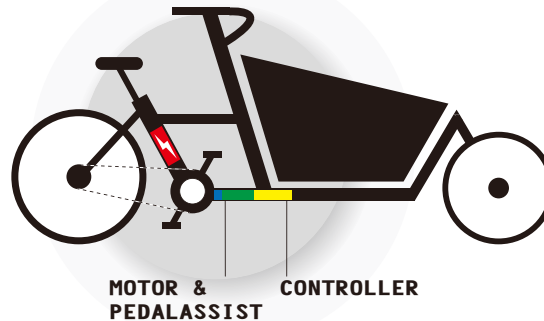
*Motor is installed inside the seat tube*



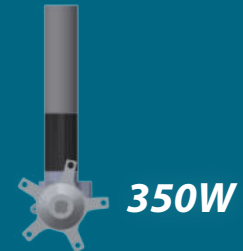
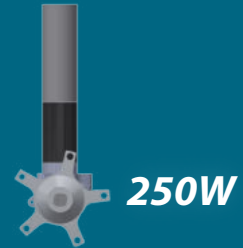
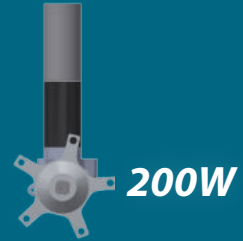
*Folding Bike*



*Cargo Bike*



**MOTOR CAN BE REPLACED**





## Display Specification

The dynamic panel is evolving, providing five-segment multi-kinetic energy assistance modes, and quickly switching the riding mode.



EN15194

**DK-01****Size : 1.3 Inch**

- Battery Level Indicator
- Assistance Level
- Current Speed
- Total Distance
- Error Code Indication

**DK-02****Size : 2.2 Inch**

- Battery Level Indicator
- Assistance Level
- Current Speed
- Total Distance
- Error Code Indication

**DK-03****Size : 3.1 Inch**

- Battery Level Indicator
- Assistance Level
- Current Speed
- Total Distance
- Error Code Indication
- USB Port(Optional)



## Battery Specifications

Movement made in Japan, assembled in Taiwan, obtained national safety certification, charging time only 3-4 hours (Battery recharge times: 800 times).



24V/6.8AH  
BN2468(24V)



36V/6.8AH  
BN3668(36V)



Charger  
CHDP01



36V/8.1AH  
BN3681(36V)

**INPUT : AC100V-240V~1.8A  
47-63HZ**

**OUTPUT : 42V-2.0A CC-CV**

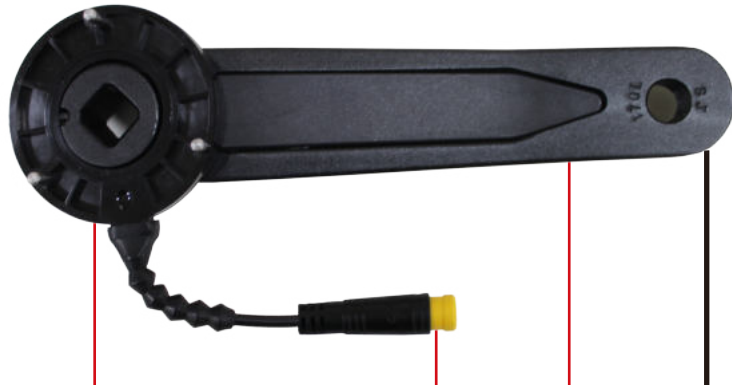
- Overcharge / short circuit safety test
- Temperature cycle test
- certified to **CE & CB**
- Vibration test
- Charging system safety test
- Impact test
- Squeeze test
- With safety fuse
- Drop test



# PALTORC'S SMART CRANK



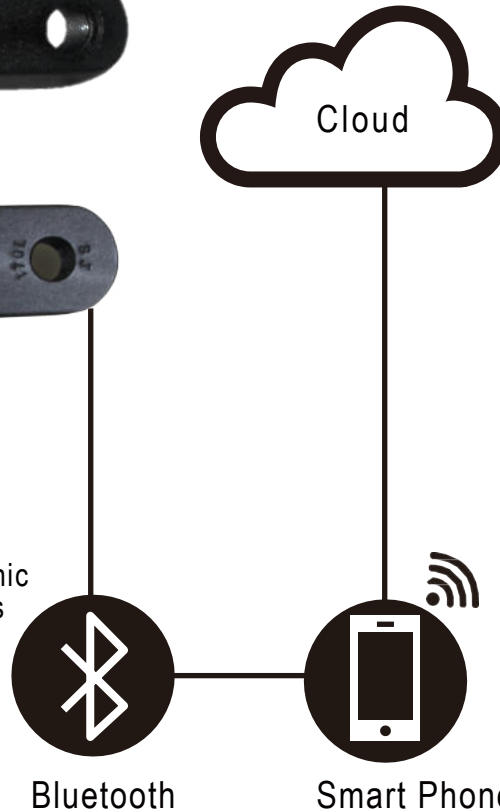
ATSUMOTOR



Slip Rings Kit

Water Proof Connector

Electronic Sensors



Bluetooth

Smart Phone

## APPS for Smart Crank



Patent #:US10479445B2



Citi Bike  
FCA-01



FatBike  
FFA-01



Racing Bike  
FRA-01



Racing Bike  
FRC-01



Racing Bike  
FRC-02



Racing Bike  
FRC-03



Mountain Bike  
FMA-03



Mountain Bike  
FMA-03



Mountain Bike  
FMA-03



Mountain Bike  
FMA-03



Racing Bike  
FRA-K2



Racing Bike  
FRA-K2



Racing Bike  
FRA-K2



Racing Bike  
FRA-K2

# PHOTO



**RIDE E-BIKE  
TO EXPLORE LIFE  
AND  
CAPTURE THE S  
MALL AND  
BEAUTIFUL THINGS**

***Enjoy cycling life***



ATSUMOTOR system is a hybrid E-bike made in Taiwan, HonLin's strong R&D technology and good manufacture capabilities make E-Bikes riding more enjoyable.

# CONTACT

## HON LIN HEAVY INDUSTRIES CO., LTD.

Address : No. 116, Sec. 3, Yunke Rd., Douliu City, Yunlin County 640, Taiwan

Website : [www.honlin-hp.com](http://www.honlin-hp.com)

Email : [sales@honlin-hp.com](mailto:sales@honlin-hp.com)

TEL : +886-5-5511039

FAX : +886-5-5510028



**ATSUMOTOR**