

48V 1000W Electric Bike Mid Drive Motor Kit

This electric bike mid-drive motor kit provides 48V and 1000W of power. It is designed to convert a standard bicycle into an electric bike, providing enhanced speed and climbing ability.



ADDITIONAL IMAGES



Product Overview

High-Performance Mid-Drive System

The G510 mid-drive motor system utilizes a high-frequency torque sensor and dual speed sensors sampling at 80kHz to ensure precise vehicle control and maximum efficiency. Despite its massive 160N.m torque output, the motor operates in virtual silence, providing a powerful yet refined riding experience. Its modular design with an integrated controller simplifies maintenance and improves service responsiveness for long-term reliability.

Technical Performance

Core Performance Metrics

1000 W
Rated Power

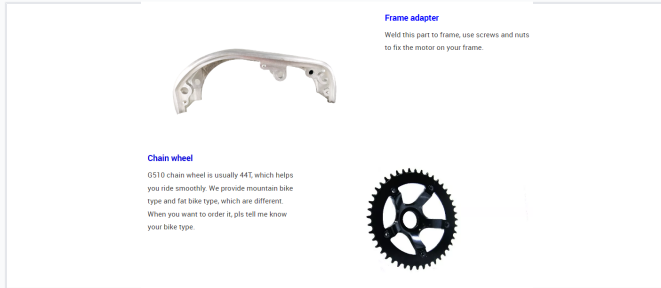
48 V
Voltage

160 N.m
Max Torque

Motor Specifications

Parameter	Value
Construction	Geared Brushless Mid Motor
Efficiency	e80%
RPM	150/190
Noise Level	<55dB
IP Rating	IP65
Operating Temp	-20°C to 45°C
Axle Standard	JIS

Compatibility & Components



Standard 44T chain wheel and frame adapter for secure motor mounting.



Enhance your build with optional hydraulic sensors and programming cables.

Standard Kit Packing List

- Mid motor unit
- DPC-18 LCD Color Display
- Thumb throttle
- Integrated Speed & Torque sensor
- 44T Chain wheel
- 170mm Cranks (pair)
- Brake levers (pair)
- Frame adapter
- Main wiring cable
- Installation nuts and screws

Optional Add-ons

Hydraulic Brake Sensor • Programming Cable • Shift Sensor SS01

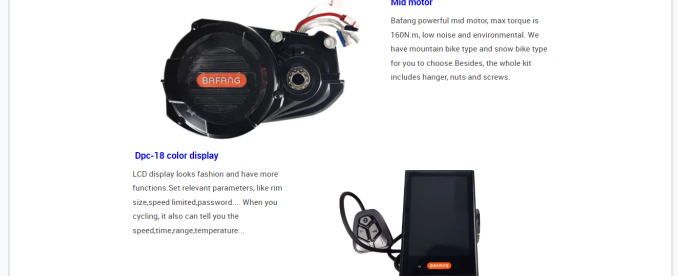
Supported Wheel Sizes

12", 14", 16", 18", 20", 22", 26", 28"

Installation & Design



The system is available in specialized configurations for both standard mountain bikes and fat-tire snow bikes.



The high-torque mid motor paired with the DPC-18 color LCD for advanced parameter control.

Bike Type Configurations

Available in Mountain Bike and Snow/Fat Bike configurations with specific crank and chain wheel shapes.

User Interface

DPC-18 Color LCD display supporting rim size settings, speed limits, password protection, and real-time data (speed, range, temperature).

Logistics & Warranty

Warranty Coverage

Component	Period
Motor	2 Years (1st year replacement, 2nd year repair)
Battery	1 Year (replacement)
Other Parts	6 Months

Gross Weight

11 kg