



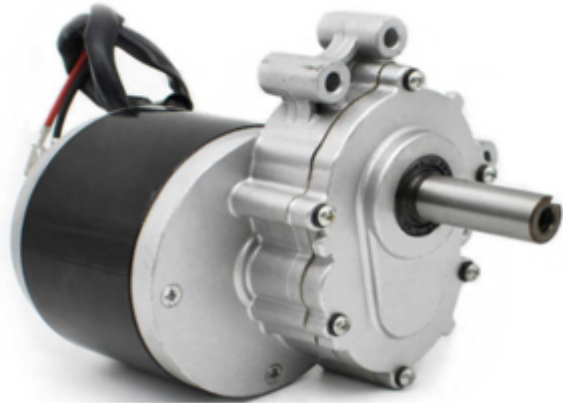
SRI ELECTRONICS AND EMBEDDED SOLUTIONS

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E-Bike and E-Bicycle conversion kits and Accessories- 2020

MY1016ZL ELECTRIC WHEELCHAIR PMDC MOTOR 24 250W



Motor type	Brushed DC Motor
Working Voltage(V)	24
Rated Current (A)	13.4
Rated Power(W)	250
Shaft Type	D
Rated Speed	120r/min
Shaft Diameter(mm)	17
Shaft Length(mm)	44
Insulation Class	E
Protect Grade	IP33
Weight(kg)	2.848
Shipment Weight	2.846 kg
Shipment Dimensions	17 × 14 × 13 cm

MY1016ZL ELECTRIC WHEELCHAIR PMDC MOTOR 24 250W

If you have been looking for MY1016ZL 24V 250W Brushed DC Motor then your search ends here. Get high class MY1016ZL 24V 250W DC Motor for your electric bike.

E-bikes generally combine both pedal-assist sensors as well as a throttle. Some electric bikes have an electric motor that operates on a power-on-demand basis only. In this case, the electric motor is engaged and operated manually using a throttle, which is usually on the handgrip just like the ones on a motorbike or scooter.

This MY1016ZL is a very popular high torque reduction motor and extremely reliable with its power requirements. It is the most commonly used motor for Scooters, Bikes, and wheelchair! This motor is capable of rotation in both, the clockwise or counterclockwise direction by reversing the motor's power wires.

QUICK OVERVIEW:

Working Voltage(V): 24

Rated Current (A): 13.4

Rated Power(W): 250

Rated Speed: 120r/min

250W Electric Wheelchair Powertrain PMDC Motor – SCD2-B

This is a wheel chair motor by Senchuan Power. Product name - Electric Wheelchair Powertrain: SCD2-B. They are right angle gear drives with a release (for free wheeling) and electric brakes on the motor. They are 24VDC and the operating speed is 150 RPM.

Features and Specifications:

- Operating Voltage (VDC): 24
- Output Power (W): 250
- Dimensions (1) : 313mm
- Dimensions (2) : 82mm
- No-load Current (A): ?3.6
- Motor Speed $\pm 5\%$ (RPM): 2650
- No-load Output Speed (RPM): 150
- Gear Ratio: 19 : 1
- Sound Level (dB(A)): ?60
- Brake Torque (Nm): ?33.4
- Gear Motor Rated Torque (Nm): 16.95
- Motor OD (mm): 79
- Output Shaft OD (mm): 17
- (with 6mm keyway and key)
- Weight: 15.5lbs per motor
- Efficiency : 80%



200W Electric Wheelchair Powertrain PMDC Motor - SCD1

This is a wheel chair motor by Senchuan Power. Product name - Electric Wheelchair Powertrain: SCD2. They are right angle gear drives with a release (for free wheeling) and electric brakes on the motor. They are 24VDC and the operating speed is 190 RPM.

Features and Specifications:

- Operating Voltage (VDC): 24
- Output Power (W): 200
- No-load Current (A): ?3.6
- Motor Speed $\pm 5\%$ (RPM): 3250
- No-load Output Speed (RPM): 190
- Gear Ratio: 19 : 1
- Sound Level (dB(A)): ?70
- Brake Torque (Nm): ?33.4
- Gear Motor Rated Torque (Nm): 16.95
- Output Shaft OD (mm): 17
- (with 6mm keyway and key)
- Weight: 15.5lbs per motor
- Efficiency : 80%



UNITE MY6812 100w 12v



• Speed	2650 rpm
• Torque	Rate torque: 0.35 Nm
• Nominal Voltage	12 V
• No Load Speed	3500 rpm
• Shaft Diameter	8 mm (milled groove one-sided 1 mm)
• Weight	50 g
• Efficiency	>68%
• Rated Speed	2800 rpm
• Voltage	12 V
• Rated Power	100 W
• Rated Current	< 6.0 A
• No Load Current	< 0.55 A
• Power Consumption	100 W

UNITE MY6812 150w 24v



	NO LOAD				WITH LOAD				
	VOLTAGE	CURRENT	SPEED	TORQUE	SPEED	POWER	CURRENT	EFFICIENCY	NET WEIGHT
	V	A	RPM	N.M.	RPM	W	A	%	KGS
24V150W	24	0.9	3500	0.56	2600-3000	150	8.5	70	1.3

Ebike MY1016 250W 24V 2650RPM DC motor



Ebike MY1016 250W 24V 2650RPM DC motor

Model	MY1016
Operating Power	250 W
Operating voltage (V DC)	24
Rated Current (A)	9 ~ 11
Rated Speed (RPM)	2650
Rated Torque (N-cm)	100
No load Current (A)	≤2.2
Shaft diameter (mm)	12.2
Weight(g)	1900
Cable Length (CM)	25
Shipment Weight	2 kg
Shipment Dimensions	20 × 15 × 10 cm

E Bike 250 Watt My1016Z2 (DC Geared Motor)



E Bike 250 Watt My1016Z2 (DC Geared Motor)

Specifications:

- MY1016Z
- 24 Volt DC Operation
- Permanent Magnet DC Motor
- No Load RPM: 3850
- No Load Current: <2.2 Amps
- Rated Wattage: 250W (0.33 Horsepower)
- Rated Load RPM: 400
- Torque (NM): 22
- Rated Current: 13.4 Amps
- Efficiency: 78%
- Reduction Ratio: 9.78:1
- Direct Drive (No Free Spooling)
- Suitable for Forward and Reverse Operations
- Base Mount Model
- 9 Tooth Sprocket for 1/2" x 1/8" Pitch Chain

This motor is capable of rotation in either clockwise or counter clockwise by reversing the motor's power wires.

For Chain Size: Pitch 0.5in; Roller Diameter 0.3in; Roller Width 0.16in

Electric Bicycle MY1016Z3 350 Watt (DC Geared Motor)



Electric Bicycle MY1016Z3 350 Watt (DC Geared Motor)

KEY FEATURES

- 24 volt 350 watt
- 9 tooth 1/8" bicycle chain sprocket
- Left or right rotation by reversing wires
- MY1016Z3 motor with gear reduction
- 300 RPM (after Reduction)

SPECIFICATIONS

- Model:MY1016Z3
- Voltage: 24 volts DC
- Output: 350 watt
- Rated Speed (after Reduction): 300 RPM
- Rated Speed (Base Motor): 3200 RPM
- Rated Current: 19.2 amp
- Sprocket: 9 tooth 1/8" bicycle chain

Ebike 500W 24V DC 2750 RPM scooter bike go-kart minibike e-ATV MY1020



Ebike 500W 24V DC 2750 RPM scooter bike go-kart mini bike e-ATV MY1020

QUICK OVERVIEW

- Supply Voltage: 24v.
- Current Draw (Rated): 27.4A.
- Current Draw (No Load): 2.5A.
- Rated (constant) Torque: 190 N-cm
- Speed: 2500 RPM.
- Efficiency: Greater than 75%
- Weight: 4.10 Kg.
- Reversible: Yes

Model	MY1020
Operating Power	500 W
Operating Voltage (VDC)	24
Rated Current(A)	2.5
Rated Speed(RPM)	2500
Height (from the shaft center axis to the bottom of the base plate)	60 mm
Rated Torque (Kg-Cm)	19.37
Efficiency	≥78%.
Length (mm)	160
Width (mm)	120
Height (mm)	110
Weight (Kg)	4.1
Cable Length (Meter)	0.5
Shipment Weight	5.1 kg
Shipment Dimensions	25 × 25 × 20 cm

E-Bike MY1020Z 600 Watt (DC Geared Motor)



Model: MY1020Z

Voltage: 36 volt DC

Rated Current: 21.4 amps

Rated Speed: 480 RPM

Sprocket: 10 tooth #40 chain

Output: 600 watts

Length of wires: 24"

Mounting Bracket: 4-5/8" X 2-3/4"

MY1020 Unite 36V 1000W Brushed Permanent Magnet Electric Motor



Brushed Motor V	36V 1000W
Power	1000 Watt
Voltage	36 Vo36 Volt
Rated Speed	3500 RPM
Rated Current	26.7
Package Included	1x
DCUnload current	2.5A

Electric Scooter Brush Motor, Chain drive electric scooter motor, High Speed Permanent Magnet Motor .With metal bracket to mount to scooter11 tooth gear for # 25H chainThis motor can fit for 36V 1000W electric scooter DIY bicycle , E-bikes , Electric scooters. Compatible with many other electric scooter makes and models.

24V 250W MY1016 Motor Controller

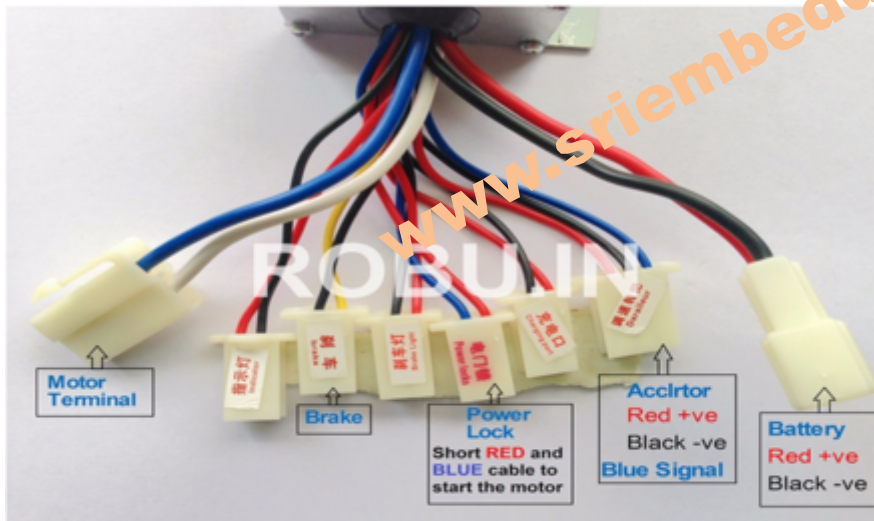


Maximum Current	20 A
Casing Material	Aluminium (& Aluminium Alloy)
Wattage / Power	250 Watt
Operating Voltage	20 to 24 V

Attachments / Wiring Connections on controller:

- Brake Wire
- Charging Port
- Derailleur / Throttle
- Indicator
- Power Locks
- Brake Light
- Motor
- Battery

24V 350W MY1016 Motor Controller



Basic Connections

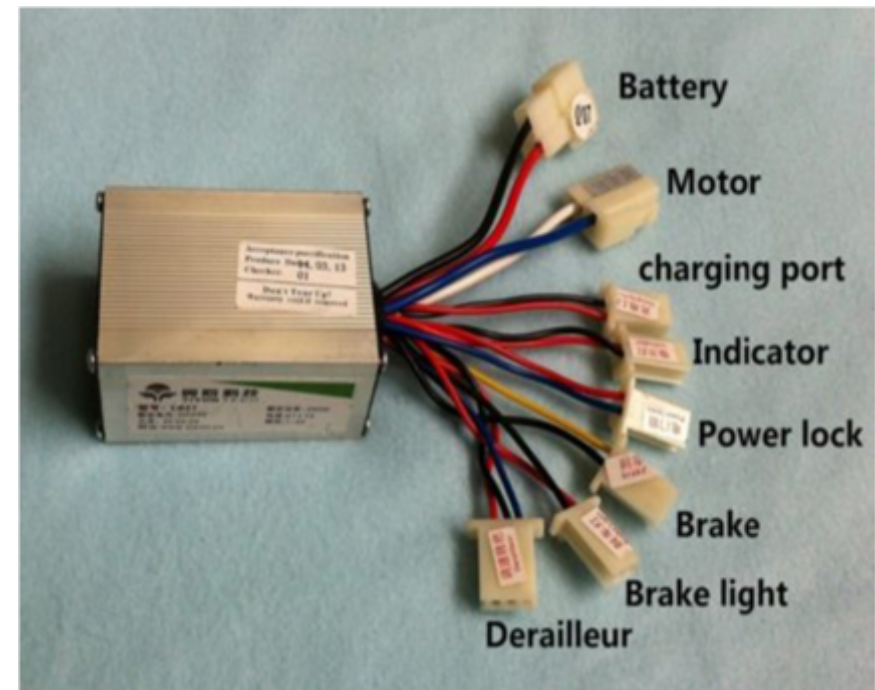
- 1) Motor Terminal - Connect to Motor (Reversing connections will reverse motor Direction)
 - 2) Brake :- Connect to Standard Brake for E-Bike (Or add a NO switch, Pressing Switch will turn Motor OFF)
 - 3) Power Lock :- Short these two to start the motor .(Works as ignition kill switch of bike)
 - 4) Accelerator :- Connect to standard accelerator . Can work with any Microcontroller board (Like Arduino) , Signal for speed control is 0 to 5 V .
 - 5) Battery :- Connect Red to +ve and Black to -ve . Ensure Proper connections .
- REVERSE BATTERY CONNECTIONS WILL PERMANENTLY DAMAGE THIS CONTROLLER .

QUICK OVERVIEW

- Rated voltage: 24 v DC
- Current limit: 33A
- Rated power: 350 w
- Matching motor: dc brushed motor
- Under Voltage Protection: 20V

24V 500W MY1020 Motor Controller

- Rated voltage: 24 v DC
- Current limit: 33A
- Rated power: 500 w
- Throttle 1-4 v
- Matching motor: dc brushed motor
- Under Voltage Protection: 20V
- Strong Aluminium body



36V 600W MY1020 Motor Controller

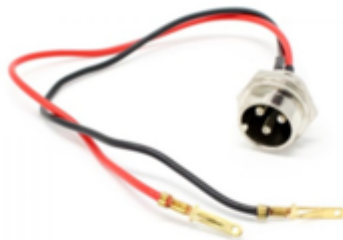


Dimensions	83 x 65 x 39 mm
Casing Material	Aluminium (& Aluminium Alloy)
Wattage / Power	600 Watt
Operating Voltage	32 to 36 V

MY1016 250W eBike Motor with Electric Bicycle Combo Kit



MY1016 250W eBike Motor with Electric Bicycle Combo Kit



MY1016 250W eBike Motor with Electric Bicycle Combo Kit

Package Includes

- 1 x MY1016 250W eBike Motor**
- 1 x 24v 250w controller**
- 1 x 80T tooth Dental Plate**
- 1 x Freewheel**
- 2 x Freewheel Adapter**
- 1 x Pair of Throttles(L+R)**
- 1 x Pair of Break Lever(L+R)**
- 1 x 25H High-Quality Chain**
- 1 x Axel with Nuts**
- 1 x Ignition key switch with Two Keys**
- 1 x Headlight with Inbuilt Horn**
- 1 x Plastic Connector Housings set**
- 1 x Charger Connector Holder**
- 1 x Power Charger(IN: AC90~240V, OUT: 24VDC/2A)**

Combo Kit - MY1016Z2 250W Motor DIY E Bike, Electric Bicycle



Combo Kit - MY1016Z2 250W Motor DIY E Bike, Electric Bicycle

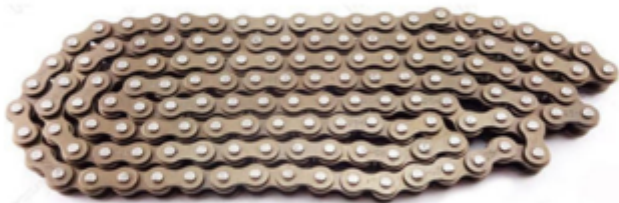
Package Includes

- 1 x MY1016Z2 24V 250W Geared DC eBike Motor
- 1 x 24v 250w controller
- 1 x Freewheel
- 2 x Freewheel Adapter
- 1 x Pair of Throttles(L+R)
- 1 x Pair of Brake Lever(L+R)
- 1 x 25H High-Quality Chain
- 1 x Mounting plate with bolts
- 1 x Axel with Nuts
- 1 x Ignition key switch with Two Keys
- 1 x Headlight with Inbuilt Horn
- 1 x Plastic Connector Housings set
- 1 x Charger Connector Holder
- 1 x Power Charger(IN: AC90~240V, OUT: 24VDC/2A)

Combo Kit - My1016z3 350w Motor Diy e Bike, Electric Bicycle



Combo Kit - My1016z3 350w Motor Diy e Bike, Electric Bicycle



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Combo Kit - My1016z3 350w Motor Diy e Bike, Electric Bicycle

Package Includes

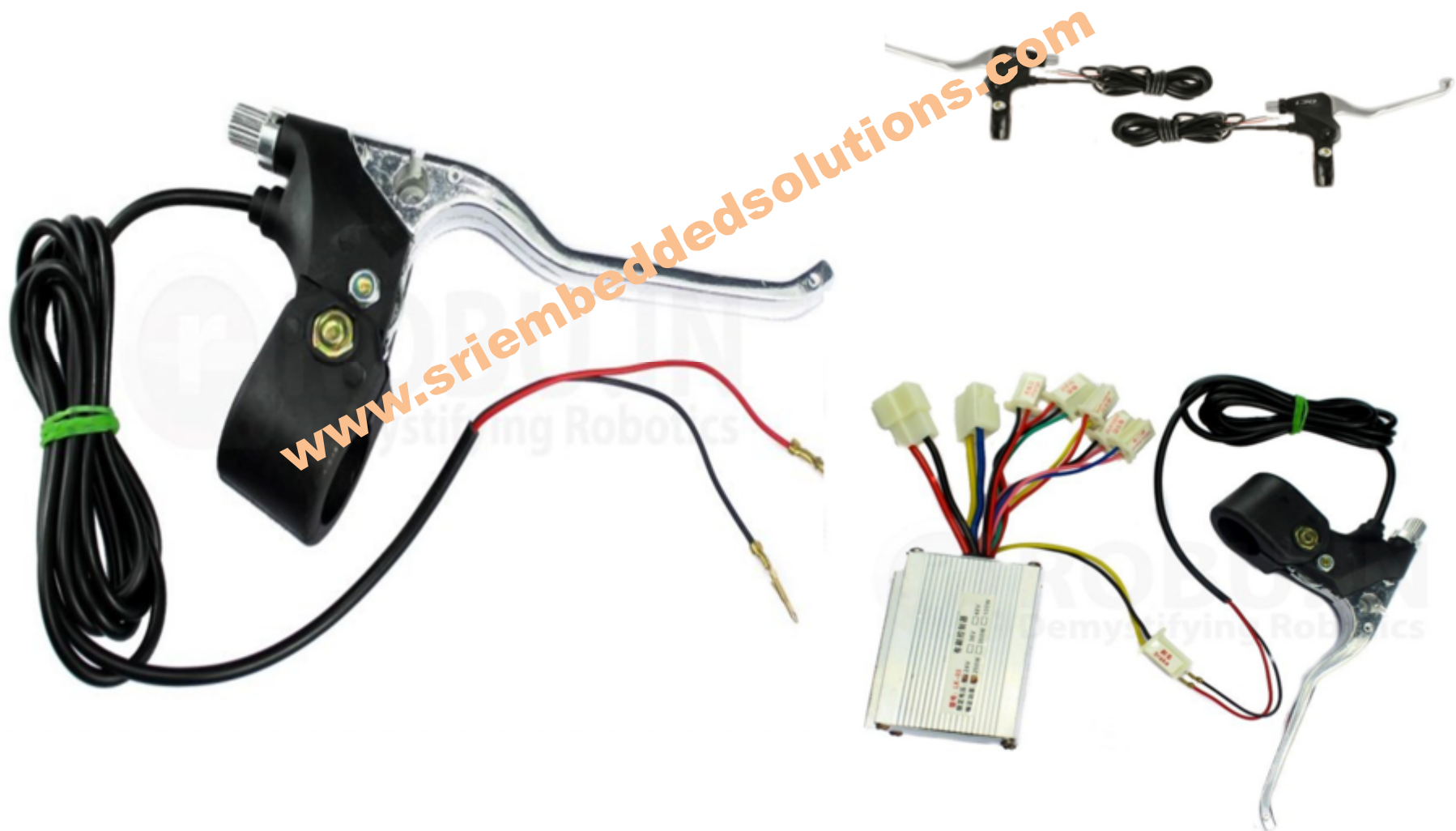
- 1 x MY1016Z3 24V 350W Geared DC eBike Motor
- 1 x 24v 350w controller
- 1x Freewheel
- 2 x Freewheel Adapter
- 1 x Pair of Throttles(L+R)
- 1 x Pair of Brake Lever(L+R)
- 1x 25H High-Quality Chain
- 1 x Mounting plate with bolts
- 1 x Axel with Nuts
- 1x Ignition key switch with Two Keys
- 1 x Headlight with Inbuilt Horn
- 1 x Plastic Connector Housings set
- 1x Charger Connector Holder
- 1 x Power Charger(IN: AC90~240V, OUT: 24VDC/2A)

Ebike Throttle / Accelerator Set (Including Dummy Grip)

Scooter Motor E-Bike With Battery Indicator - Multiple Varians Throttle Twist Grip



Brake for Ebike



POWER LOCK / IGNITION KEY SWITCH



UNITE BM1418ZXF 350 Watt Brushless Motor & Kit



UNITE BM1418ZXF 350 Watt Brushless Motor & Kit

BM1418ZXF 350W Motor Specification

- Rated Output Power - 350W
- Rated Voltage - 48V
- DC Speed after Reduction – 480
- RPM Rated Speed – 2800
- RPM Gear Ratio - 1:6
- Full Load Current - 9.4A
- No Load Current - 2.8A
- Rated Torque - 7.2 N.m.
- Application - Small and Medium size E-Tricycle

Packing List

- 1 x 48v 350W BM1418ZXF Brushless Motor
- 1 x 48v 350W Brushless Controller
- 1 x Chain
- 1 x Flywheel
- 1 x Sprocket
- 1 x Adapter
- 1 x Accelerator
- 1 x Power lock / Ignition

UNITE BM1418ZXF 350 Watt Brushless Motor & Kit



UNITE BM1418ZXF 350 Watt Brushless Motor & Kit

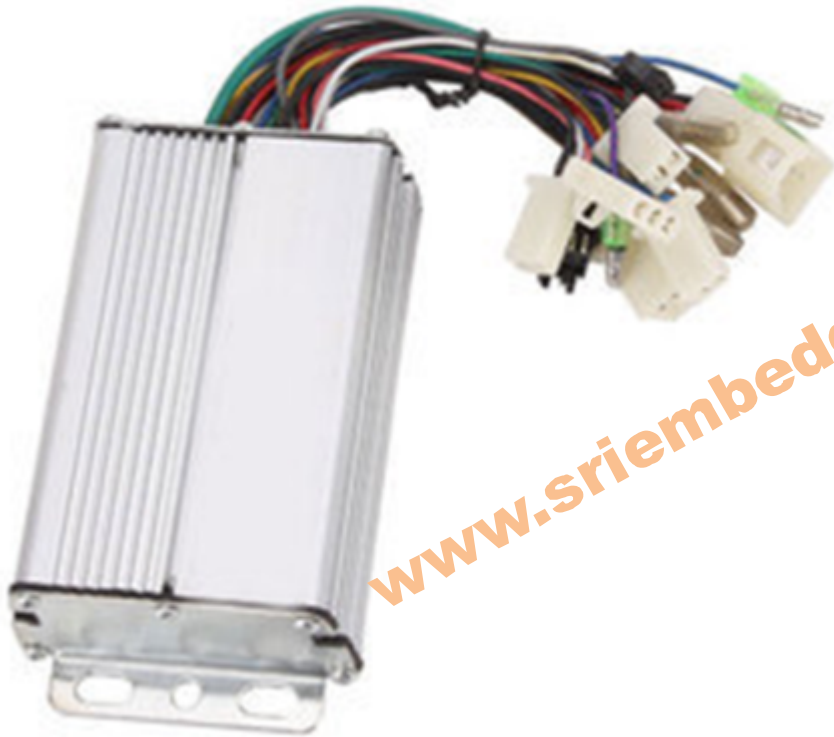
BM1418ZXF 350W Motor Specifications

- Rated Output Power - 350W
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- RPM Rated Speed – 2800
- RPM Gear Ratio - 1:6
- Full Load Current - 9.4A
- No Load Current - 2.8A
- Rated Torque - 7.2 N.m.
- Application - Small and medium size E-Tricycle

Packing List

- 1 x 48v 350W BM1418ZXF Brushless Motor
- 1 x 48v 350W Brushless Controller
- 1 x Chain
- 1 x Flywheel
- 1 x Sprocket
- 1 x Adapter
- 1 x Accelerator
- 1 x Power lock / Ignition

UNITE Motor Controller for BLDC 350W

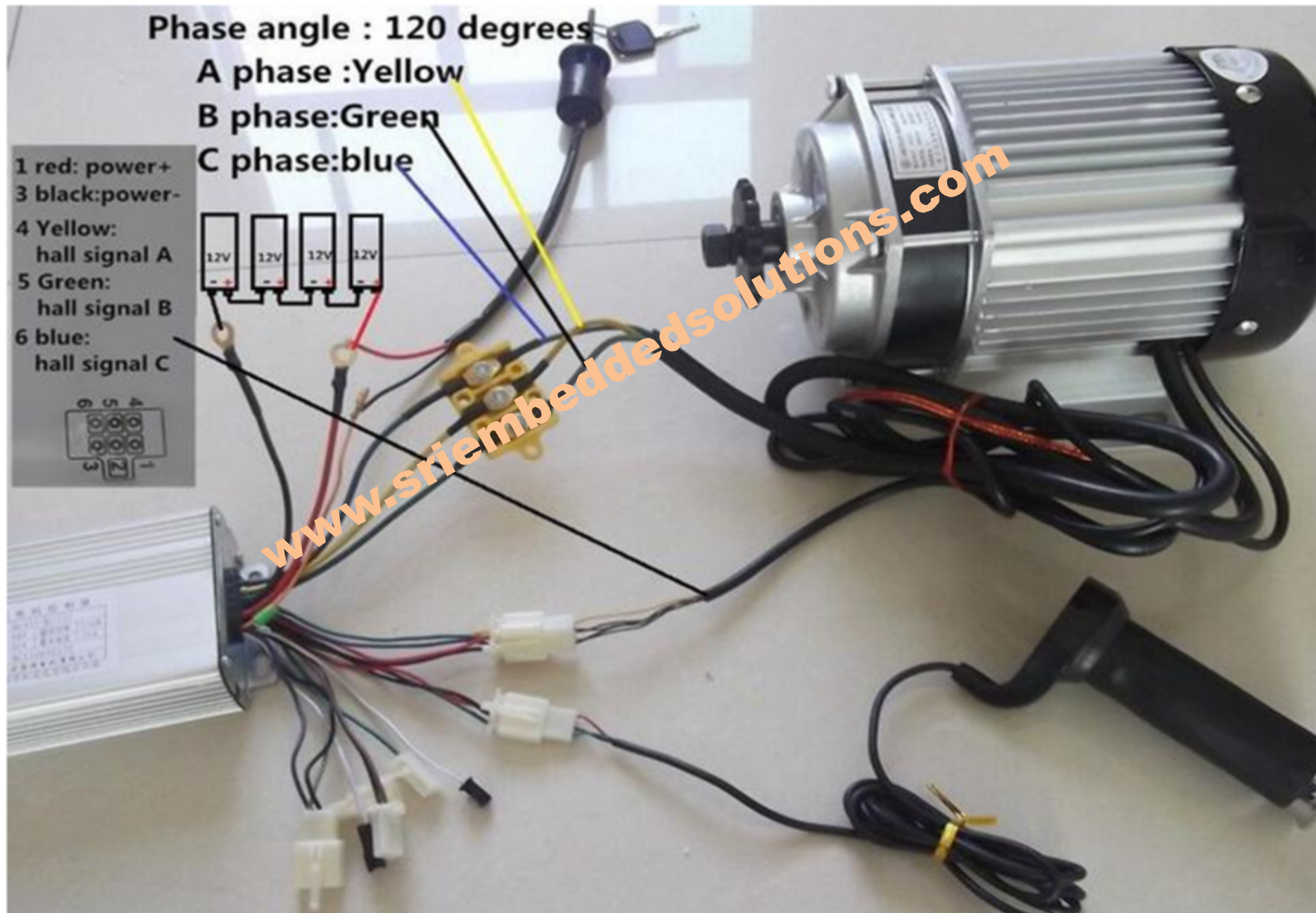


- Operation: Blue/Black - cruise/ground
White wire - self-learning (plug two white wire together)
- White/Black - Brake (low)/brake (low)
- Purple - Brake (high)
- Red/Black/ Green - throttle positive/throttle negative/throttle signal
- Red/Black/thin Yellow/thin blue/thin green - +5V//Earthing/Motor Hall lines
- Thin Blue - instrument
- Red/Blue/Black - +5V/Signal/Earthing (Pedal Assistant)
- Thick Blue/thick Yellow/Thick Green - Motor phase lines
- Thick Red/thick Black/thin red - power positive/power negative/power lock .
- Package includes: 1 x Motor Controller for 48V 350W

UNITE DC 48V 500W BM1418ZXF brushless motor, electric bicycle kit, DIY E-Tricycle



UNITE DC 48V 500W BM1418ZXF brushless motor, electric bicycle kit, DIY E-Tricycle



UNITE DC 48V 500W BM1418ZXF brushless motor, electric bicycle kit, DIY E-Tricycle

BM1418ZXF 500W Motor Specification

- Rated Operating Voltage: 48V DC.
- Rated Power: 500W.
- Rated Speed: 2800 RPM.
- No Load Speed: 3100 RPM.
- Full Load Current: 13.4A.
- No Load Current: 4.0A.
- Rated Torque: 1.7N.m.
- Efficiency: >75%.
- Gear Speed: 400 RPM.
- Gear Torque: 10N.m.
- Gear Ratio: 6:1.

Packing List

- 1 x 48v 500W BM1418ZXF Brushless Motor.
- 1 x 48v 500W Brushless Controller.
- 1 x Chain.
- 1 x Flywheel.
- 1 x Sprocket.
- 1 x Adapter.
- 1 x Accelerator.
- 1 x Power lock / Ignition.

UNITE BM1418ZXF BLDC 750 W Electric Tricycle Motor Complete kit



UNITE BM1418ZXF BLDC 750 W Electric Tricycle Motor Complete kit



UNITE BM1418ZXF BLDC 750 W Electric Tricycle Motor Complete kit

BM1418ZXF 750W Motor Specification

- Rated Output Power - 750W
- Rated Voltage - 48V DC
- Speed after Reduction - 480 RPM
- Rated Speed - 2800 RPM
- Gear Ratio - 1:6
- Full Load Current - 20A
- No Load Current - 5A
- Rated Torque - 15.36 N.m.
- Application -
Small and Medium size E-Tricycle Load Capacity - Upto 350 KG

Packing List

- 1 x 48v 750W BM1418ZXF Brushless Motor
- 1 x 48v 750W Brushless Controller
- 1 x Chain
- 1 x Flywheel
- 1 x Sprocket
- 1 x Adapter
- 1 x Accelerator
- 1 x Power lock / Ignition

UNITE Controller for BM1418ZXF 48V 750W Controller for Brushless DC Motor



Operation:

1. Blue/Black - cruise/ground.
2. White wire - self-learning (plug two white wire together).
3. White/Black - Brake(low)/brake(low).
4. Purple - Brake(high).
5. Red/Black/Green - throttle positive/throttle negative/throttle signal.
6. Red/Black/thin Yellow/thin blue/thin green - +5V//Earthing/Motor Hall lines.
7. Thin Blue - instrument.
8. Red/Blue/Black - +5V/Signal/Earthing (Pedal Assistant).
9. Thick Blue/thick Yellow/Thick Green - Motor phase lines.
10. Thick Red/thick Black/thin red - power positive/power negative/power lock.

Package includes:

1 x Brushless motor controller.

8 Inch 350w 24v Brushless E-bike Wheels Scooter Hub Motor



8 Inch 350w 24v Brushless E-bike Wheels Scooter Hub Motor

Hub Motor Specifications

- Motor type - brushless gearless.
- Rated Voltage - 24V.
- Rated Power - 350W.
- Wheel Size - 8".
- Rated speed - 28 km/h.
- Rated efficiency - $\geq 80\%$.
- Weight - 3.5kg.
- Open Size - 108mm.
- Brake type - Drum.
- Waterproof Grade - IP 65.

DC 48V 1500W BM1418ZXF brushless motor, electric bicycle kit



DC 48V 1500W BM1418ZXF brushless motor, electric bicycle kit

- Model: BM1412ZXF.
- Rated Output Power -1500W.
- Rated Voltage - 48V DC.
- Speed after Reduction - 555 RPM
- Rated Speed - 3000 RPM.
- Gear Ratio - 1:5.4.
- Full Load Current - 26.2/21.10A.
- No Load Current - 4.50/4.0A.
- Rated Torque - 20.60 N.m.
- Application - Small and Medium size E-Tricycle.
- Load weight: around 1000KG.

**DC 60V 3000W BM1412 BRUSHLESS MOTOR, ELECTRIC BICYCLE KIT,
DIY E-TRICYCLE FOR MEDIUM AND HEAVY LOAD E-TRICYCLE EBIKE**



**DC 60V 3000W BM1412 BRUSHLESS MOTOR, ELECTRIC BICYCLE KIT,
DIY E-TRICYCLE FOR MEDIUM AND HEAVY LOAD E-TRICYCLE EBIKE**



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DC 60V 3000W BM1412 BRUSHLESS MOTOR, ELECTRIC BICYCLE KIT, DIY E-TRICYCLE FOR MEDIUM AND HEAVY LOAD E-TRICYCLE EBIKE

- Model: BM1424ZXF.
- Rated Output Power -3000W.
- Rated Voltage - 60V DC.
- Speed after Reduction - 570 RPM.
- Rated Speed - 2850 RPM.
- Gear Ratio - 1:5.
- Full Load Current - 46/38A.
- No Load Current - 6.50/6.0A.
- Rated Torque - 49 N.m.
- Application - Medium & Heavy Load size E-Tricycle.
- Load weight: around 2000KG. "

6 Inch 350w 24v Brushless Ebike Wheels Scooter Hub Motor



6 Inch 350w 24v Brushless Ebike Wheels Scooter Hub Motor

Specifications :

- Voltage - 24v.
- Motor Type - Balance Car, Scooter, Brushless Hub motor.
- Power Output - 250w-350w.
- Shaft Diameter - Axle size 13.5mm & 16mm, length 53mm.
- Wire length - 200mm approx.
- Opening size - 110mm.
- Color - Black.
- Max speed - 26km/h.
- Weight - 3kg approx.
- Application - Self balancing drift car motor, Razor, electric scooter, light EV Car, E-bike, Electric bicycle, E-scooter, E-motor, motorcycle, small electric motor, etc. "

10 Inch 350w 24v Brushless Ebike Wheels Scooter Hub Motor



10 Inch 350w 24v Brushless Ebike Wheels Scooter Hub Motor



10 Inch 350w 24v Brushless E-bike Wheels Scooter Hub Motor

Specifications

- Rated Power - 350w.
- Rated Voltage - 24v.
- Speed - 800 RPM. (400-1000 RPM).
- Motor Efficiency - >83%.
- Rim Size - 10 inch.
- Certification - CE, CCC, ROHS.
- Speed - 12-23km/h.
- Diameter - 254mm with tire.
- Open File - 95mm.
- Weight - 4.5 kg.
- Load Weight - 80-150 KG. "

6 Inch 350w 24v Brushless E-bike Wheels Scooter Hub Motor + Controller



10 Inch 350w 24v Brushless E-bike Wheels Scooter Hub Motor + Controller



350W 36V Electric Bike Bicycle Rear Wheel Hub motor DIY Conversion Kit



350W 36V Electric Bike Bicycle Rear Wheel Hub motor DIY Conversion Kit



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350W 36V Electric Bike Bicycle Rear Wheel Hub motor DIY Conversion Kit

Specifications

- Rated Voltage (V) - 36 ;
- No load Current (A) - 1 ;
- Rated Current (A) - 14 ;
- Rated Power - 350W (250 - 350W) ;
- Speed - 328 RPM ;
- Rated Torque - 6N
- Compatible Wheel Size - 20 to 28 inch ;
- Spoke Holes - 36 holes ;
- Wheel diameter - 130mm.

Package Includes

1pc x 350W Hub motor
1pc x Freewheel
1pc x LED Controller
1pc x 350W controller
1pc x Throttle
1pc x Brake Set"

A collection of electronic components and wiring for a car stereo installation, laid out on a wooden surface. The components include a car stereo unit, a power window switch, a remote control, a speaker, and various cables. A watermark "www.sriembeddsolutions.com" is visible across the image.



250W 36V Electric Bike Bicycle Rear wheel Hub motor DIY Conversion Kit - Basic







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