



World's best Synchronous Motor

discount if prove overprice

Great product brings success

magnetic field generate power  
never burn / damage

Quotation

Assurance 7 quality assurance, ensure investment safety

Patent invention patent I433434, safety patent 193111, 433019(China), 110V motor can be used in 220V for 24hr

Quality there is only one Earth, doing the right thing and sell the the best product according to ChangAn 7 promises

Chang An motor can take 2 different voltage, 110V, 220V, configured by capacitor,

「differ by industry」 110V、220V 4 types: #6007 RPM1~3, #5007 RPM3~10, #4208 RPM6~60, #3809 RPM6~200  
24V 2 types: #1415 RPM1~4, #9016 RPM10~200 · 6 different types for different industries, low wearing high torque.

motor code (differ by wire color)	#6007	#5007	#4208	#3809	#1415  #9016
	power wire: Black CW/CCW rotation wire: Green, Yellow	power wire: Black CW/CCW rotation wire: Orange, Blue	power wire: Black CW/CCW rotation wire: Brown, Purple	power wire: Black CW/CCW rotation wire: Grey, White	power wire: Red CW/CCW rotation wire: White, Green   White, Brown
6 types of motor serve different function  low speed ⇔ high torque fast speed ⇔ low torque  our motor has high torque with low damage	#6007 / 3W 110V:38°C 1~3 RPM 220V:37°C 	#5007 / 3.5W 110V:48°C 3~10 RPM 220V:45°C 	#4208 / 4W 110V:52°C 6~60 RPM 220V:51°C  test is conduct at 20 celsius degree	#3809 / 4W 110V:56°C 6~200 RPM 220V:55°C 	#1415 / 9W 110V:56°C 1~4 RPM 220V:55°C 24V:40°C #9016 / 12W 110V:56°C 10~200 RPM 220V:55°C 24V:51°C 
Allowable voltage	110V-15%=93.5V ~ 110V+15%=126.5V / 220V-15%=187V ~ 220V+10%=242V				24V-6%=22.56V ~ 24V+6%=25.44V
motor features, functions and associated industry  strength of ChangAn motor: 1. strong power 2. multi-function 3. long lifespan	long-term continuous operating industries e.g. rotating monitor scanner.	house appliance, automation industries	high-torque low temp. humid environment industries e.g. gaming industry, electric valves, and voltage regulators.	highter-torque which is limited to intermittent operation industry	inflammable, oil pipes, etc.
	operate under low temperature, low current, and low pulse to extent service life.	function of #5007 is in between #4208 and #6007	twice the torque of #6007, generate high torque with high temp. & current.	thicker wire, best torque; temp. is 3°C higher than other motor types.	safter than DC motor. The function of #9016 is the same as #1415, differ in voltage.
The motor is the mother of industry, and its quality is determined by the "powerful, long-lasting" industrial structure, top-notch world enameled wire, Japanese magnets, patented structural design with steel roller ruler processing diagram					

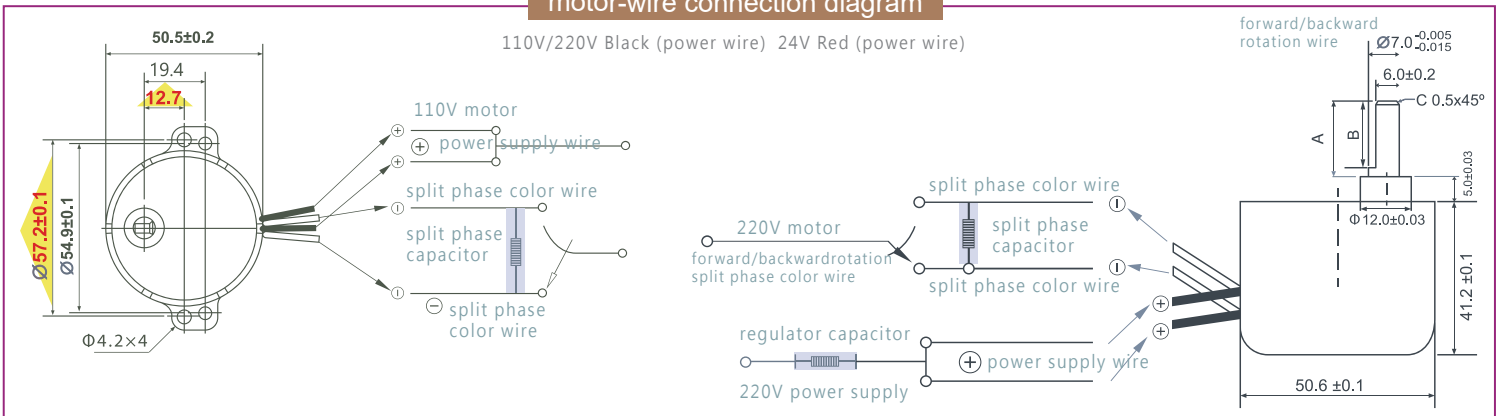
Open selling price, fair price

Unit: /per pc; Rate: USD:TWD=1:32.32

Long-term and large orders are shipped in batches	RPM QTY	15~200 RPM 3T steel	6~10 RPM 4T steel	2~4 RPM 5T medium carbon steel	1 RPM 6T medium carbon steel
100 pcs		USD12.38	USD13.00	USD13.92	USD14.85
200 pcs		USD11.76	USD12.38	USD13.30	USD14.23
500 pcs		USD11.14	USD11.76	USD12.69	USD13.61
1,000 pcs		USD10.21	USD10.83	USD11.76	USD12.69
10,000 pcs		USD9.28	USD9.90	USD10.83	USD11.76

package : 60pcs/carton | L30\*W21\*H20 cm | net weight: 15.6kg/carton gross weight:16kg/carton volume:0.40material/箱

motor-wire connection diagram



長安一廠 內湖工業區實景

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# Chang An's promise 3 patent and 2 promises

ChangAn aims to provide our customer the perfect motor

Insulation and how much voltage the motor can endure affect the safety of the motor

Our Synchronous motor can run with 220V for 100hrs (5 days) and does not get burn (standard voltage is 110V).(international test run is 1~3 min)



our gear structure has invention patent I433434

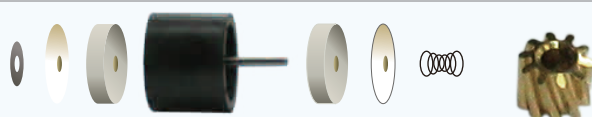
discount apply if same motor quality cheaper than us

20 yrs lifespan

damage test

Destructive testing on our "Phase Synchronous Motor"

test at temp. 139°C and still operates, Heat dissipation to prevent wear and electrical insulation and voltage resistance for safety



damage test clips

withstand a resistance of 500kg without chipping



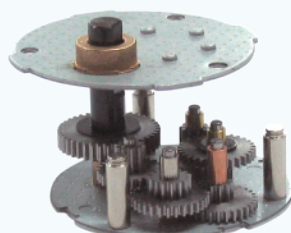
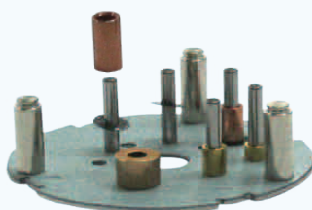
**Gear** elastic material imported from Japan, not regular copper.

**Magnet** high-precision magnets from Japan with anti-aging and high-temp. resistance treatment to keep the magnet materials stable at least 10 yrs and magnetic force semi-permanent

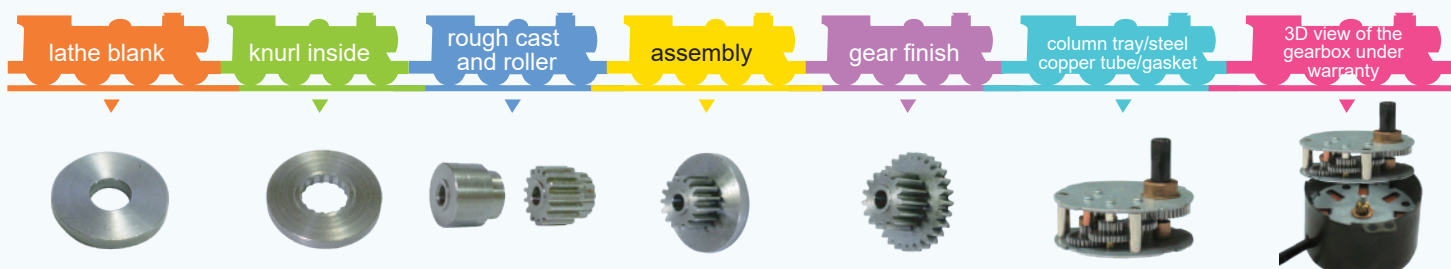
**Graphite oil** wearable, pressure resistant, high-temp. resistant.dried, becomes graphite powder lubricant and does not require oil moisture.

column tray/steel /copper tube/gasket

column tray/steel /copper tube/gasket



gear precision machining schematics; motor uses gear hobbing process; precision machining for knurling inside of inner and outer holes



car vs motor

The safety of the motor lies in the "insulation withstand voltage", and the longevity lies in the three-patented structure, innovative magnetic field power generation, the motor will not break down after 20 years of use, and millions of them are running around the world. compare with car, car needs to change oil after 3 to 5 yrs. However our motor can operate 20 years and still quiet, torque is still strong. wearable, pressure resistant, high-temp. resistant.dried, becomes graphite powder lubricant and does not require oil moisture.