[Pack of 8 motors - $12](https://www.amazon.com/Electric-Prewired-Intelligent-Chassis-Connector/dp/B0B19VC1VL/ref=asc_df_B0B19VC1VL/?tag=hyprod-20&linkCode=df0&hvadid=598295292427&hvpos=&hvnetw=g&hvrand=17996250098488245781&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=1014485&hvtargid=pla-1712722332924&psc=1)

| Speed | 18000 RPM |
| --- | --- |
| Item Weight | 29 Grams |

8PCSTT motor robot gear motor operating voltage: 3V~12VDC (recommended operating voltage of about 6 to 8V) with 2×200mm wires

Operating Voltage: 3V~6VDC; Batch Number: Double axis 1:48; Load Current: ≤150mA (200mA MAX)

Maximum torque: 800gf cm min (3V) ; No-load speed: 1:48 (3V time)

[Pack of 8 servos - $20](https://www.amazon.com/10Pcs-Servos-Helicopter-Airplane-Controls/dp/B08KY49SFX/ref=asc_df_B08KY49SFX/?tag=hyprod-20&linkCode=df0&hvadid=475740798427&hvpos=&hvnetw=g&hvrand=10800045128006114787&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=1014485&hvtargid=pla-1186208374440&th=1)

Weight: 9g

Stall torque: 1.8kg/cm

Operating speed: 0.1sec/60degree

Operating voltage: 4.8V

Temperature range: 0℃ ~ +55℃

Dead band width: 10us

Maximum rotation angle: 180 degrees

Gear medium: nylon

Working mode: Simulation

Circuit connection:

Yellow line (signal line)

Red line (power line)

Brown (ground)

[Lipo charger $7, will need four max](https://www.adafruit.com/product/1904?gclid=Cj0KCQjwteOaBhDuARIsADBqRei4D1iVHJsXczUEMhhroUGAABvxWWy512ybxSGFwV8l6tYGCG2mSr0aAv_TEALw_wcB)

Charges 4.7v Lipo batteries of any capacity

[LiPo Battery $12.5](https://www.adafruit.com/product/2011), will need two

* Dimensions: 60mm x 36mm x 7mm / 2.4" x 1.4" x 0.3"
* Weight: 34g
* Nominal Capacity: 2000mAh ±2%
* Nominal Voltage: 3.7V
* Standard Charge Current: ~0.2C / 0.5A
* Charge Cut-Off Voltage: 4.2V
* Standard Discharge Current: ~0.2C / 0.5A
* [Battery Datashee](https://cdn-shop.adafruit.com/datasheets/LiIon2000mAh37V.pdf)t

TOTAL PRICE: $85 (before tax) ~$100 after tax