

Product parameters

Motor model	MD520Z19_12V	MD520Z30_12V	MD520Z56_12V
Rated motor voltage	12V		
Motor type	Permanent magnet brush		
Output shaft	Diameter 6mm D-type eccentric shaft		
Stall torque	3.1kg·cm	4.8kg·cm	8.3kg·cm
Rated torque	2.2kg·cm	3.3kg·cm	6.5kg·cm
Speed before deceleration	11000rpm	11000rpm	12000rpm
Speed after deceleration	550±10rpm	333±10rpm	205±10rpm
Power rating	≤4W	≤4W	≤4W
Stall current	3A	3A	4A
Rated current	0.3A	0.3A	0.3A
Gear reduction ratio	1:19	1:30	1:56
Encoder type	AB phase incremental Hall encoder		
Encoder supply voltage	3.3-5V		
Number of magnetic loops	11		
Interface type	PH2.0 6Pin		
Function	With its own pull-up shaping, the single-chip microcomputer can directly read the signal pulse		
Single motor weight	150g±1g	150g±1g	150g±1g

Note: The recommended power supply range for a motor with a rated voltage of 12V is between 11V and 16V, and 12V is recommended.

Product size

Motor output shaft: 6mm diameter D-shaft

Unit: mm

