



**DONGGUAN E-S MOTOR CO.,LTD**

Precision Works, Professional Transmission

Tel : 86.135.3263.9595 | E-Mail : sales@e-smotor.com | www.e-smotor.com

### 31ZY-EN-6 motor, 6V DC

No-load		Rated			Stall	
Current	Speed	Torque	Speed	Current	Torque	Current
< 180 mA	4000 RPM	100 g.cm	3200 RPM	< 0.8 A	> 500 g.cm	< 3.3 A

### 31ZY-EN-12-80 motor, 12V DC

No-load		Rated			Stall	
Current	Speed	Torque	Speed	Current	Torque	Current
< 350 mA	8000 RPM	200 g.cm	6500 RPM	< 1.6 A	> 1000 g.cm	< 6.5 A

### 31ZY-EN-12-40 motor, 12V DC

No-load		Rated			Stall	
Current	Speed	Torque	Speed	Current	Torque	Current
< 110 mA	4000 RPM	100 g.cm	3200 RPM	< 0.5 A	> 600 g.cm	< 2.3 A

### 31ZY-EN-24 motor, 24V DC

No-load		Rated			Stall	
Current	Speed	Torque	Speed	Current	Torque	Current
< 200 mA	8000 RPM	200 g.cm	6600 RPM	< 1 A	> 1200 g.cm	< 4.4 A

## Encoder Specification

Type	AB phase 2 channels Incremental magnetic hall encoder
Input voltage	DC 3.3V / DC5.0
Connector	PH2.0-6PIN
Output Signal	Square wave AB phase
Response frequency	100KHz
PPR	11 PPR
magnetic ring poles	22



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