

HIGH PERFORMANCE INTEGRATED MODULE JOINTS

一体化高性能关节模组



江苏富兴电机技术股份有限公司
Jiangsu Fulling Motor Technology Co.,Ltd

2026版

愿 景 Vision

卓越的控制电机全球制造商及系统集成方案提供者

An advanced global manufacturer of control motors and a provider of system integration solutions.

使 命 Mission

为客户创造价值, 提供最优的行业解决方案

Create value for customers and provide the best industry solution.

价值观 Values

责任, 诚信, 共赢

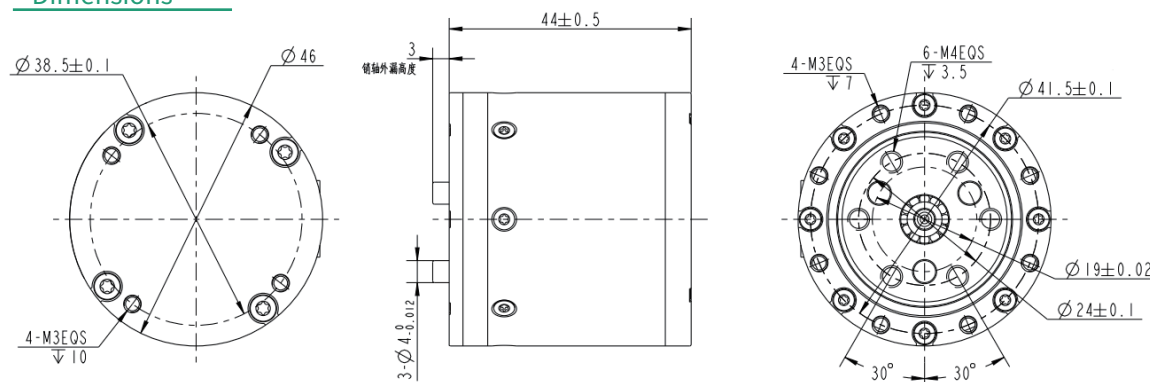
Responsibility, Integrity and Win-win.



准直驱5.5N.m一体化电机模组 iSVD46C-48V-17-A14-001



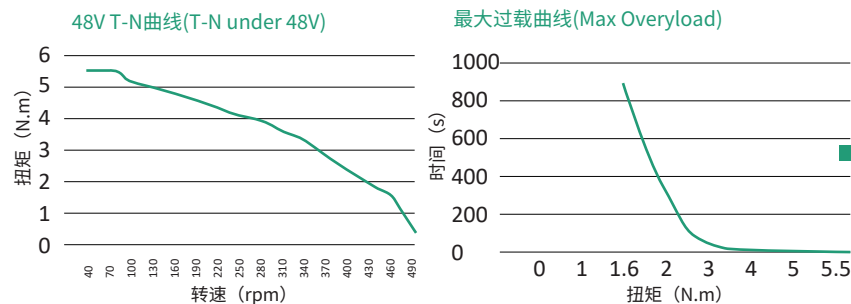
尺寸参数 Dimensions



机械参数 Mechanical Specs

科目 Item	参数 Spec
重量 Weight	191g ± 3 g
极数 Pole	20
相数 Phase	3
驱动方式 Drive Method	FOC
减速比 reduction ratio	7.75:1

性能曲线 Performance Curves



电气特性 Electrical Specs

科目 Item	参数 Spec
磁编码器 Magnetic Encoder	2 pcs
额定电压 Rated Voltage	48V
使用电压范围 Voltage Range	15-60V
额定输出功率 Rated Output Power	16.7w $\pm 10\%$
额定扭矩 Rated Torque	1.6N.m
峰值扭矩 Peak Torque	5.5N.m
运转方向 Running Direction	CW/CCW
使用温度范围 Temperature Range	-20~50°C
使用湿度范围 Humidity Range	5~85%
保存温度范围 Storage Temperature Range	-30~70°C
绝缘等级 Insulation Level	ClassB
空载转速 No-load Speed	480 rpm $\pm 10\%$
空载电流 No-load Current	0.14Arms
额定负载转速 Rated Load Speed	100 rpm $\pm 10\%$
额定负载相电流 Rated Load Phase Current	2.4Apk $\pm 10\%$
峰值相电流 Peak Phase Current	11Apk $\pm 10\%$
绝缘电阻/定子绕组 Insulation Resistance/Stator Winding	DC 500VAC, 100M Ohms
耐高压/定子与机壳 High Voltage Resistance/Stator and Casing	600VAC, 1s, 2mA
电机反电势 Back-EMF	7.4Vrms/rpm $\pm 10\%$
线电阻 Line Resistance	2.76 Ω $\pm 10\%$
转矩常数 Torque Constant	0.94 N.m/Arms
电机电感 Inductance	0.9 $\pm 20\%$ μ H

负载 Load (N.m)	工作时间 Operating Time (s)
5.5	4
5	5.5
4	12
3	41
2	300
1.6	rated

准直驱14N.m一体化电机模组
iSVD57C-48V-40-A14-001

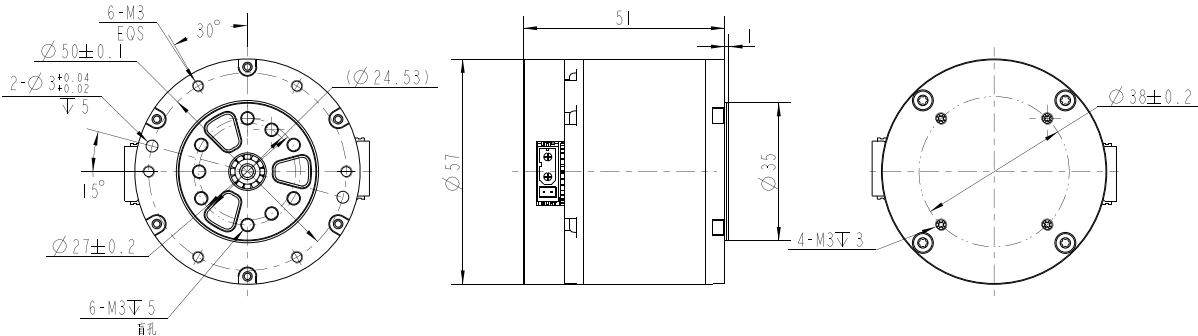


电气特性
Electrical Specs

科目 Item	参数 Spec
磁编码器 Magnetic Encoder	2 pcs
额定电压 Rated Voltage	48V
使用电压范围 Voltage Range	24-60V
额定输出功率 Rated Output Power	140w ±10%
额定扭矩 Rated Torque	5N.m
峰值扭矩 Peak Torque	14N.m
运转方向 Running Direction	CW/CCW
使用温度范围 Temperature Range	-20~50°C
使用湿度范围 Humidity Range	5~85%
保存温度范围 Storage Temperature Range	-30~70°C
绝缘等级 Insulation Level	Class B
空载转速 No-load Speed	315 rpm ± 10%
空载电流 No-load Current	0.5 Arms
额定负载转速 Rated Load Speed	260 rpm ± 10%
额定负载相电流 Rated Load Phase Current	4.7Apk ± 10%
峰值相电流 Peak Phase Current	15.5Apk ± 10%
绝缘电阻/定子绕组 Insulation Resistance/ Stator Winding	DC 500VAC, 100M 0hms
耐高压/定子与机壳 High Voltage Resistance/ Stator and Casing	600VAC, 1s, 2mA
电机反电势 Back-EMF	0.095 Vrms/rpm ±10%
线电阻 Line Resistance	1.5±10%Ω
转矩常数 Torque Constant	1.48 N.m/Arms
电机电感 Inductance	750±20μH

负载 Load (N.m)	工作时间 Operating Time (s)
5	rated
7	120
10	18
12	10
14	5

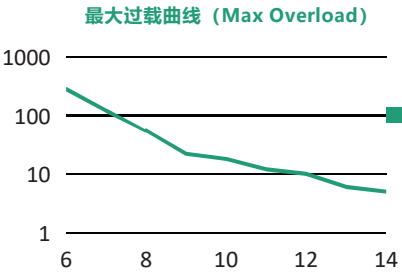
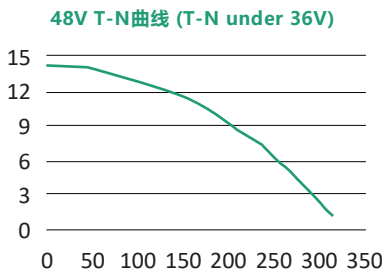
尺寸参数
Dimensions



机械参数
Mechanical Specs

科目 Item	参数 Spec
重量 Weight	310g
极数 Pole	28
相数 Phase	3
驱动方式 Drive Method	FOC
减速比 reduction ratio	10 : 1

性能曲线
Performance Curves



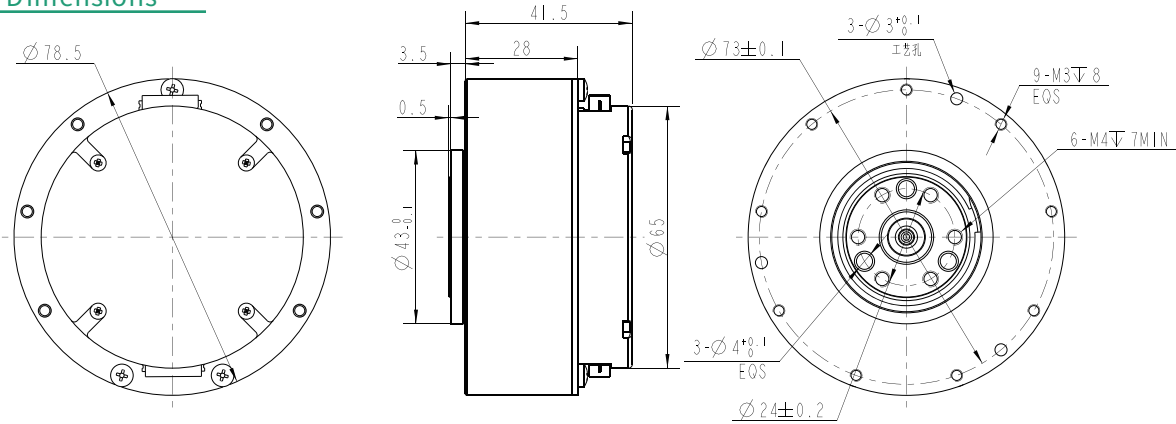
准直驱17N.m一体化电机模组
iSVD78C-48V-230-A14-002



电气特性
Electrical Specs

科目 Item	参数 Spec
磁编码器 Magnetic Encoder	2 pcs
额定电压 Rated Voltage	48V
使用电压范围 Voltage Range	24-60V
额定输出功率 Rated Output Power	170w ± 10%
额定扭矩 Rated Torque	6N.m
峰值扭矩 Peak Torque	17N.m
运转方向 Running Direction	CW/CCW
使用温度范围 Temperature Range	-20~50℃
使用湿度范围 Humidity Range	5~85%
保存温度范围 Storage Temperature Range	-30~70℃
绝缘等级 Insulation Level	Class B
空载转速 No-load Speed	410 rpm ± 10%
空载电流 No-load Current	0.5 Arms
额定负载转速 Rated Load Speed	360rpm ± 10%
额定负载相电流 Rated Load Phase Current	7Apk ± 10%
峰值相电流 Peak Phase Current	23Apk ± 10%
绝缘电阻/定子绕组 Insulation Resistance/ Stator Winding	DC 500VAC, 100M Ohms
耐高压/定子与机壳 High Voltage Resistance/ Stator and Casing	600VAC, 1s, 2mA
电机反电势 Back-EM F	0.096 Vrms/rpm ± 10%
线电阻 Line Resistance	0.55Ω ± 10%
转矩常数 Torque Constant	1.22 N.m/Arms
电机电感 Inductance	486 ± 20%μH

尺寸参数
Dimensions

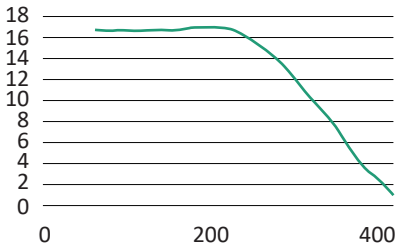


机械参数
Mechanical Specs

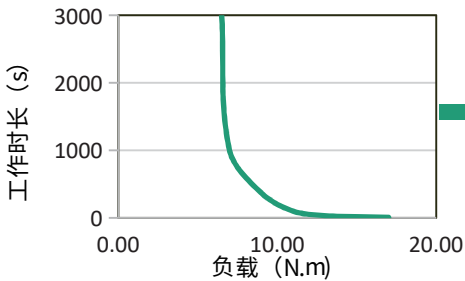
科目 Item	参数 Spec
重量 Weight	405g
极数 Pole	28
相数 Phase	3
驱动方式 Drive Method	FOC
减速比 reduction ratio	7.75 : 1

性能曲线
Performance Curves

48V T-N 曲线 (T-N under 48V)



最大过载曲线 (Max Overload)

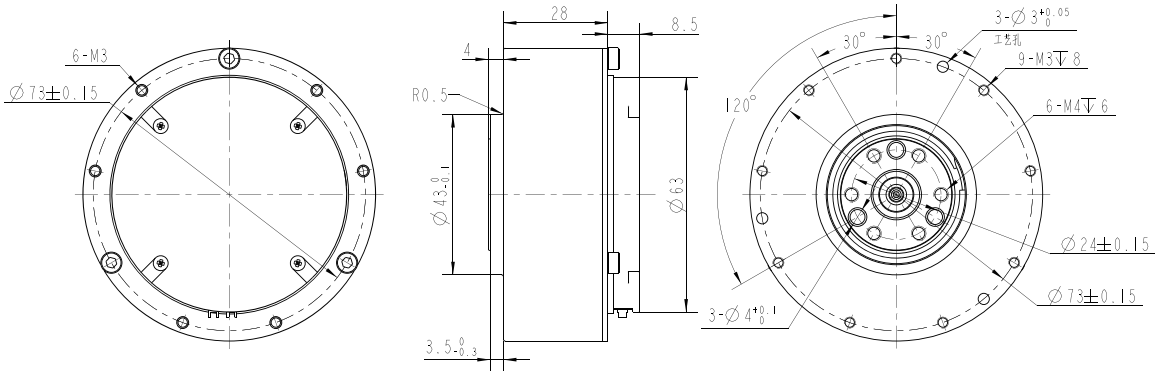


负载 Load (N.m)	工作时间 Operating Time (s)
6	rated
6.5	3000
11	100
15	18
17	10

准直驱17N.m一体化电机模组(单编)
iSVD78C-36V-10-A14-001



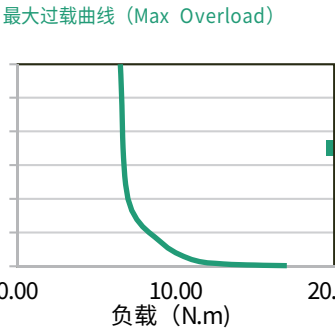
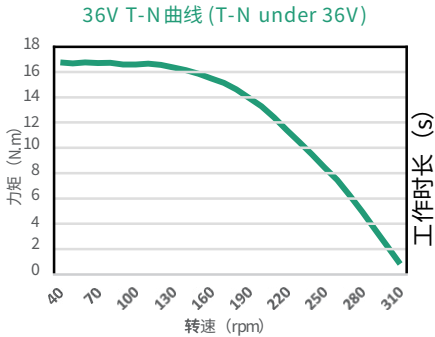
尺寸参数
Dimensions



机械参数
Mechanical Specs

科目Item	参数Spec
重量Weight	380g
极数Pole	28
相数Phase	3
驱动方式Drive Method	FOC
减速比reduction ratio	7.75:1

性能曲线
Performance Curves



电气特性
Electrical Specs

科目Item	参数Spec
额定电压 Rated Voltage	36V
使用电压范围 Voltage Range	24-48V
额定输出功率 Rated Output Power	170w ±10%
额定扭矩 Rated Torque	6N.m
峰值扭矩 Peak Torque	17N.m
运转方向 Running Direction	CW/CCW
使用温度范围 Temperature Range	-20~50℃
使用湿度范围 Humidity Range	5~85%
保存温度范围 Storage Temperature Range	-30~70℃
绝缘等级 Insulation Level	Class B
空载转速 No-load Speed	315 rpm ±10%
空载电流 No-load Current	0.5 Arms
额定负载转速 Rated Load Speed	275 rpm ±10%
额定负载相电流 Rated Load Phase Current	7A _{pk} ±10%
峰值相电流 Peak Phase Current	23A _{pk} ±10%
绝缘电阻/定子绕组 Insulation Resistance/ Stator Winding	DC 500VAC, 100M Ohms
耐高压/定子与机壳 High Voltage Resistance/ Stator and Casing	600VAC, 1s, 2mA
电机反电势 Back-EM F	0.096 Vrms/rpm ±10%
线电阻 Line Resistance	0.55Ω±10%
转矩常数 Torque Constant	1.22 N.m/Arms
电机电感 Inductance	187~339μH

负载 Load (N.m)	工作时间 Operating Time (s)
6	rated
6.5	3000
11	100
15	18
17	10

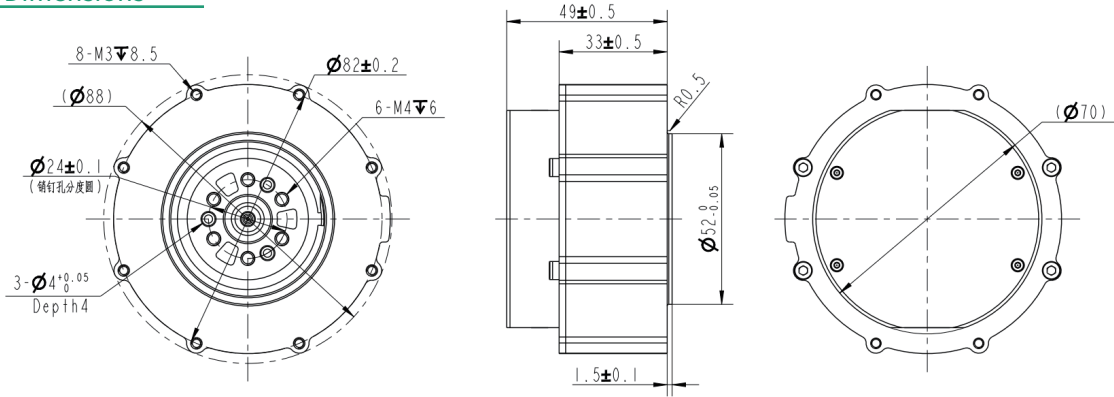
准直驱36N.m一体化电机模组
iSVD88C-48V-480-A14-001



电气特性
Electrical Specs

科目 Item	参数 Spec
磁编码器 Magnetic Encoder	2pcs
额定电压 Rated Voltage	48V
使用电压范围 Voltage Range	15-60V
额定输出功率 Rated Output Power	115w±10%
额定扭矩 Rated Torque	11N.m
峰值扭矩 Peak Torque	36N.m
运转方向 Running Direction	CW/CCW
使用温度范围 Temperature Range	-20~50°C
使用湿度范围 Humidity Range	5~85%
保存温度范围 Storage Temperature Range	-30~70°C
绝缘等级 Insulation Level	ClassB
空载转速 No-load Speed	480 rpm±10%
空载电流 No-load Current	0.98Arms
额定负载转速 Rated Load Speed	100rpm±10%
额定负载相电流 Rated Load Phase Current	14.3Apk±10%
峰值相电流 Peak Phase Current	57Apk±10%
绝缘电阻/定子绕组 Insulation Resistance/Stator Winding	DC 500VAC, 100M0hms
耐高压/定子与机壳 High Voltage Resistance/Stator and Casing	600VAC,1s,2mA
电机反电势 Back-EMF	7.4Vrms/rpm±10%
线电阻 Line Resistance	0.216Ω±10%
转矩常数 Torque Constant	1.09N.m/Arms
电机电感 Inductance	0.15±20%μH

尺寸参数
Dimensions

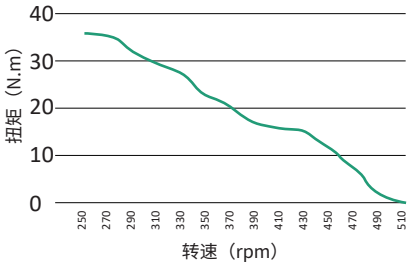


机械参数
Mechanical Specs

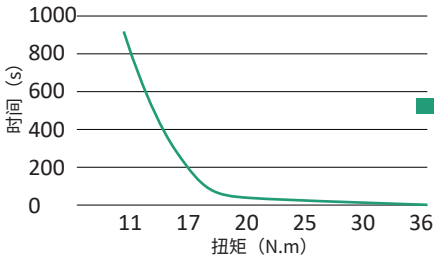
科目 Item	参数 Spec
重量 Weight	621g±3g
极数 Pole	28
相数 Phase	3
驱动方式 Drive Method	FOC
减速比 reduction ratio	9:1

性能曲线
Performance Curves

48V T-N曲线(T-N under 48V)



最大过载曲线(Max Overload)



负载 Load (N.m)	工作时间 Operating Time (s)
36	4
30	8
25	18
20	36
17	200
11	rated

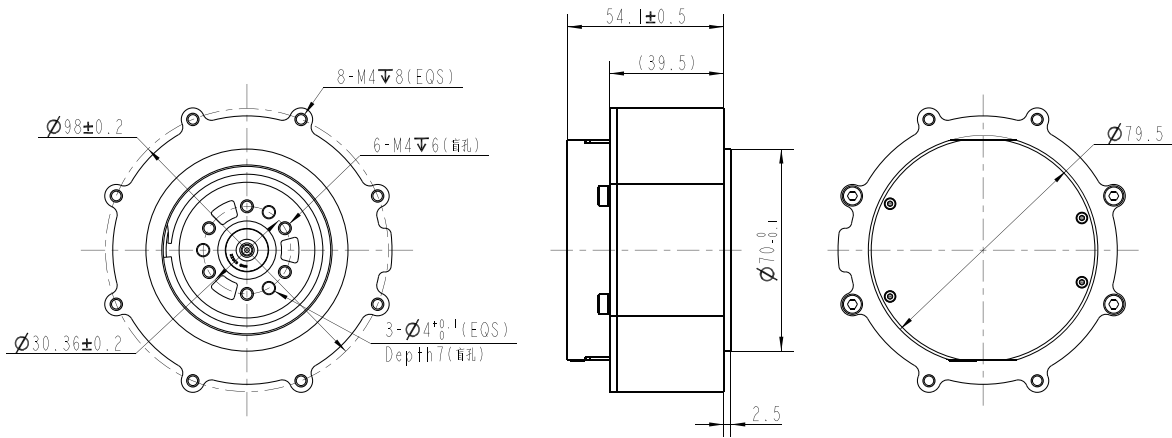
准直驱60N.m一体化电机模组
iSVD110C-48V-410-A14-001



电气特性
Electrical Specs

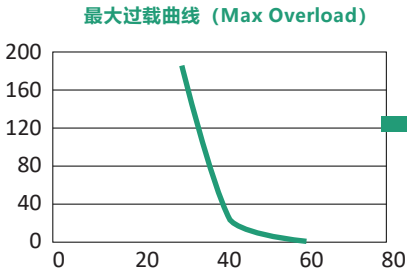
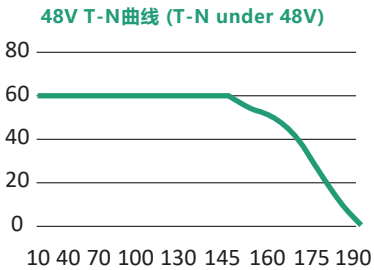
科目 Item	参数 Spec
磁编码器 Magnetic Encoder	2 pcs
额定电压 Rated Voltage	48V
使用电压范围 Voltage Range	15-60V
额定输出功率 Rated Output Power	380W ±10%
额定扭矩 Rated Torque	20N.m
峰值扭矩 Peak Torque	60N.m
运转方向 Running Direction	CW/CCW
使用温度范围 Temperature Range	-20~ 50℃
使用湿度范围 Humidity Range	5~ 85%
保存温度范围 Storage Temperature Range	-30~ 70℃
绝缘等级 Insulation Level	Class B
空载转速 No-load Speed	195rpm ± 10%
空载电流 No-load Current	0.6Arms ± 10%
额定负载转速 Rated Load Speed	180rpm ± 10%
额定负载相电流 Rated Load Phase Current	13Apk ± 10%
峰值相电流 Peak Phase Current	43Apk ± 10%
绝缘电阻/定子绕组 Insulation Resistance/ Stator Winding	DC 500VAC, 100M 0hms
耐高压/定子与机壳 High Voltage Resistance/ Stator and Casing	600VAC, 1s, 2mA
电机反电势 Back-EMF	17Vrms/krpm ± 10%
线电阻 Line Resistance	0.39Ω ± 10%
转矩常数 Torque Constant	2.36N.m/Arms
电机电感 Inductance	0.275mH ± 10%

尺寸参数
Dimensions



机械参数
Mechanical Specs

性能曲线
Performance Curves



负载 Load (N.m)	工作时间 Operating Time (s)
20	rated
30	189
40	126
50	12
60	7

准直驱120N.m一体化电机模组
iSVD120C-48V-700-A14-001

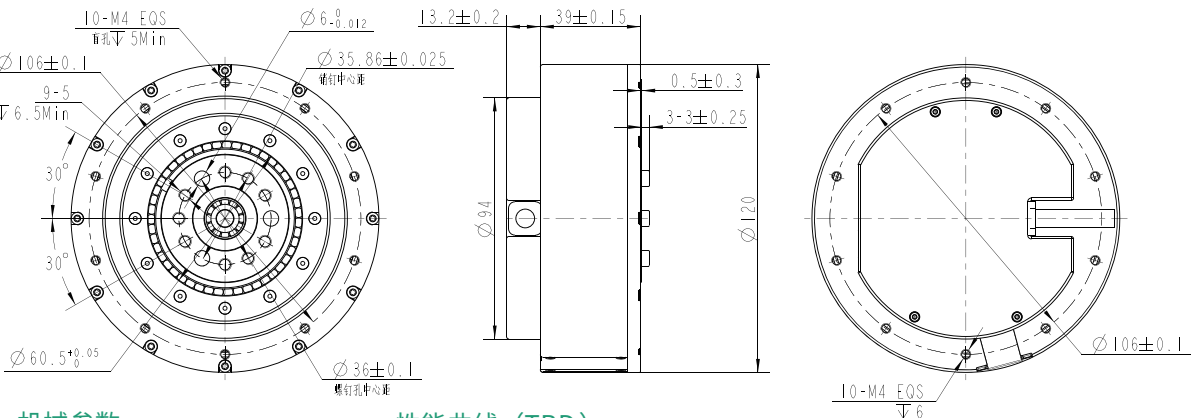


电气特性
Electrical Specs

科目 Item	参数 Spec
额定电压 Rated Voltage	48V
使用电压范围 Voltage Range	15-60V
额定输出功率 Rated Output Power	700w $\pm 10\%$
额定扭矩 Rated Torque	40N.m
峰值扭矩 Peak Torque	120N.m
运转方向 Running Direction	CW/CCW
使用温度范围 Temperature Range	-20~50℃
使用湿度范围 Humidity Range	5~85%
保存温度范围 Storage Temperature Range	-30~70℃
绝缘等级 Insulation Level	Class B
空载转速 No-load Speed	200 rpm $\pm 10\%$
空载电流 No-load Current	0.7 Arms $\pm 10\%$
额定负载转速 Rated Load Speed	167 rpm $\pm 10\%$
额定负载相电流 Rated Load Phase Current	27A _{pk} $\pm 10\%$
峰值相电流 Peak Phase Current	90A _{pk} $\pm 10\%$
绝缘电阻/定子绕组 Insulation Resistance/ Stator Winding	DC 500VAC, 100M Ohms
耐高压/定子与机壳 High Voltage Resistance/ Stator and Casing	600VAC, 1s, 2mA
电机反电势 Back-EMF	16.9 Vrms/krpm $\pm 10\%$
线电阻 Line Resistance	0.16Ω $\pm 10\%$
转矩常数 Torque Constant	2.1N.m/Arms
电机电感 Inductance	0.211mH $\pm 10\%$

负载 Load (N.m)	工作时间 Operating Time (s)
40	rated
46	2500
70	350
80	160
120	10

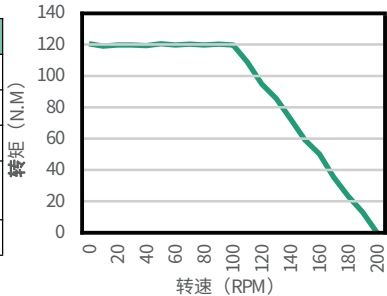
尺寸参数
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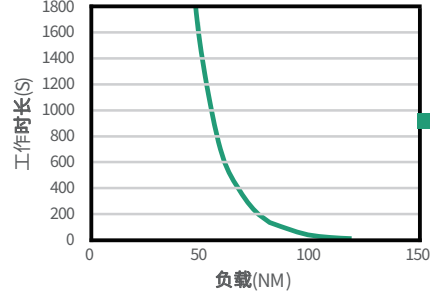
机械参数
Mechanical Specs

科目 Item	参数 Spec
重量 Weight	1420g
极数 Pole	42
相数 Phase	3
驱动方式 Drive Method	FOC
减速比 reduction ratio	9:1

性能曲线 (TBD)
Performance Curves
48V T-N 曲线 (T-N under 48V)



最大过载曲线 (Max Overload)



江苏富兴电机技术股份有限公司

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This image shows a single sheet of white paper with horizontal green ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

注意事项:本样册中所有信息均为参考值。因检测和测量方法不同,可能存在偏差。请直接联系我们,以了解详细信息。我们原则上保留技术变更的权利。

Attentions: All figures are approximate values. Variations are possible and may arise for example due to non-standardized inspection and measurement methods. For more detailed information, please contact us directly. Fulling Motor company always reserves the right to make technical modifications.



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Responsibility Integrity and Win-win

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公司主页



抖音