



## 电机参数 Motor Data

电机型号	Motor model	SME8013848H		
1	额定电压 Nominal voltage	VT	48	VDC
2	空载转速 No load speed	Wnl	5100	rpm
3	空载电流 No load current	InI	2.5	A
4	额定转速 Nominal speed	Wc	4100	rpm
5	额定转矩 Nominal torque	Tc	1.75	Nm
6	最大转矩 Peak torque	TP	12.25	Nm
7	额定电流 Nominal current	Ic	19.9	A
8	最大电流 Maximum current	IP	139.2	A
9	额定功率 Nominal power	PR	750	watts
10	最大功率 Maximum available power	PR	1790	watts
11	最大可用功率下电流 Current at maximum available power	IP	58	A
12	线间电阻 Terminal resistance	Rt	0.15	Ω
13	线圈电感 Terminal inductance	L	70	μH
14	转矩常数 Torque constant	Kt	0.088	Nm /A
15	机械时间常数 Mechanical time constant	Tm	2.26	ms
16	电气时间常数 Electric time constant	Te	0.47	ms
17	转子惯量 Rotor inertia	J	1.2	Kg*cm <sup>2</sup>
18	最高绕组温度 Max. winding temperature	Temp	120	°C
19	极对数 Number of pole pairs	p	4	
20	重量 Weight	Wt	2.7	kg
21	电机绝缘等级 Motor insulation class		F	
22	防护等级 Protection class		IP65	
23	使用环境 Ambient temperature		0~40°C	
24	编码器可选 Encoder options		Incremental 2500PPR	Magnetic 2500PPR
25	电机接线定义 Terminal definitions		U:green V: black W: red	
26	编码器接线定义 Encoder Terminal definitions		A+:green A-:green-black B+:white B-:white-black Z+:yellow Z-:yellow-black U+:brown U-:brown-black V+:gray V-:gray-black W+:orange W-:orange-black +5V:red GND:black	

## 电机运行范围 Operating Range

A: Continuous Working Area  
B: Repeatedly Working Area

