

# M9C12 IPE V3.1 Brushless DC Motor with 40mm Mounting Holes

### **Basic Information**

• Place of Origin: Guangdong, China

Brand Name: GS

Model Number: M9C12 IPE V3.1 100KV 110KV

Price: Negotiable

Delivery Time: 6-8Payment Terms: T/TSupply Ability: 100



# **Product Specification**

Motor Model: M9C12 IPE V3.1
Motor Size: D:98.5 X 33.55 Mm
Propeller Mounting Holes: D:20 M3x4, D:23 M4x4

Shaft Diameter: IN: 15 MmBearing: 6802ZZ\*2

• Cable Length: 50mm 16# Awg Silicone

Rotor Balance: ≤5 Mg Motor Balance: ≤10 Mg

• Motor Mounting Holes: D:30 M3x4, D:40 M4x4

• Disruptive Test: 500 V

• Highlight: M9C12 Brushless DC Motor,

IPE V3.1 Brushless DC Motor, M9C12 IPE V3.1 Brushless DC Motor



# More Images







### M9C12 IPE V3.1 Brushless DC Motor

The motor is designed to be low energy consumption and high efficiency through magnetic flux density and magnetic inclusion simulation.

1.Unique motor core design, 36N42P
 2.7075-T6 aviation aluminium
 3.Steel shaft

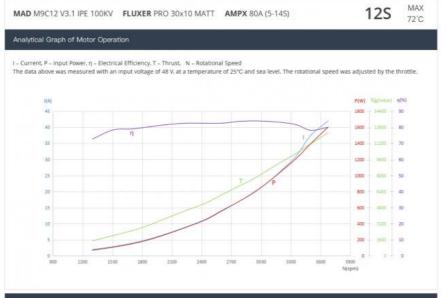
### Performance characteristic

Efficiency: Highly efficient design to maximize power output and minimize energy loss.

Noise level: Low noise level makes it suitable for applications where quiet operation is important.

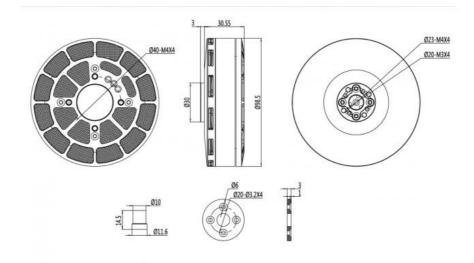
Thermal management: Includes the ability to effectively handle heat dissipation to ensure consistent performance under load.





D M9C12 IPE V3.1	Number of pole pairs	21
WAN / Anticorrosive	Varnished wire Degree	180°C
8.5 × 33.55 mm	Magnet Degree	150°C
5	Cable Length	50mm 16# Awg(Black Yellow Red) silicon
	Rotor Balance	≤5 mg
0 M3×4, D:23 M4×4	Motor Balance	≤10 mg
15 mm	Motor Mounting Holes	D:30 M3×4, D:40 M4×4
O 6802ZZ*2	Disruptive test	500 V
1	NAN / Anticorrosive 8.5 × 33.55 mm 6 0 M3×4, D:23 M4×4 15 mm	WAN / Anticorrosive Varnished wire Degree 8.5 × 33.55 mm Magnet Degree Cable Length Rotor Balance 0 M3×4, D:23 M4×4 Motor Balance 15 mm Motor Mounting Holes

Specifications			
RPM/V	100 KV	Nominal Voltage	125 lipo battery
No Load Current	1.3A/30V	Internal resistance	57 mΩ
Motor Weight	486 g	Product Boxed Weight	925g (200 x 200 x 70 mm)
Maximum Current	51 A	Maximum Power	2438W
Maximum thrust	13.8 kg	Maximum Torque	5.0 Nm
Recommended ESC	MAD AMPX 80A (5-14S)	Recommended Propellers	28x8.5, 29x8.7, 30x10.5, 32x9.6
UAV take-off weight	125-30"/ 18kgQuadcopter 27kgHexacopter 36kgOctocopter	Single rotor take-off weight	4kg ~ 6kg



MAD M9C12 V3.1 IPE 100KV FLUXER PRO 28x8.4 MATT AMPX 80A (5-14S)

12S MAX 62°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N×m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	47.99	1.4	66.7	48.8	0.345	1352	1067	73.25	16.0
35	47.99	2.08	99.0	74.3	0,455	1560	1440	75.08	14.6
40	47.99	2.83	135.5	105.2	0.575	1748	1843	77.66	13.6
45	47.99	3.74	179.2	140.0	0.692	1932	2239	78.12	12.5
50	47.98	4.95	236.9	190.7	0.848	2149	2750	80.5	11.6
55	47.98	6.54	313.3	259.1	1.045	2368	3439	82.66	11.0
60	47.93	8.33	398.5	332.7	1.237	2569	4069	83.46	10.2
65	47.91	10.42	498.8	421.1	1.465	2746	4784	84.39	9.6
70	47.92	12.33	590.3	497.3	1.623	2926	5340	84.21	9.0
75	47.91	14.39	688.8	586.5	1.811	3093	5926	85.1	8.6
80	47.85	17.11	818.1	691.8	2.028	3257	6641	84.53	8.1
85	47.85	20.13	962.8	811.3	2.261	3427	7383	84.24	7.7
90	47.84	23.02	1100.5	928.1	2.464	3598	8118	84.29	7.4
95	47.78	26.98	1288.7	1057.9	2.683	3766	8799	82.05	6,8
100	47.76	31.47	1502.6	1247.4	3.009	3959	9876	82.98	6.6

MAD M9C12 V3.1 IPE 100KV FLUXER PRO 29x8.7 MATT AMPX 80A (5-14S)

12S MAX 68°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N×m]	RPM.	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	48	1.67	79.6	56.7	0.408	1328	1234	71.29	15.5
35	48	2.43	115.9	87.6	0.545	1537	1662	75.58	14.3
40	48	3.27	156.5	121.2	0.670	1727	2081	77.41	13.3
45	48	4.25	203.7	161.2	0.809	1903	2541	79.15	12.5
50	47.98	5.68	272.2	223.8	1.013	2110	3151	82.17	11.6
55	47.94	7.61	364.4	300.6	1.238	2320	3910	82.44	10.7
60	47.91	9.65	461.7	384.1	1.460	2513	4571	83.15	9.9
65	47.92	11.69	559.6	470.2	1.665	2697	5228	83.98	9.3
70	47.91	13.93	666.7	562.2	1.875	2863	5948	84.28	8.9
75	47.9	16.76	802.3	668.7	2.116	3018	6730	83.3	B.4
80	47.84	19.46	930.5	770.7	2.311	3184	7314	82.79	7.9
85	47.81	22.16	1058.7	901.5	2.573	3345	8139	85.11	7.7
90	47.79	26.27	1255.0	1061.9	2.902	3494	9095	84.57	7.2
95	47.75	30.31	1446.9	1197.7	3.128	3656	9867	82.73	6.8
100	47.68	34.83	1660.2	1410,0	3.506	3841	10956	84.9	6.6

MAD M9C12 V3.1 IPE 100KV FLUXER PRO 30x10 MATT AMPX 80A (5-14S)

12S MAX 72°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N×m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	48.01	1.99	95.1	69.2	0.509	1299	1499	72.77	15.8
35	48	2.9	138.6	108.8	0.687	1514	2041	78.5	14.7
40	48	3.95	189.0	149,4	0.841	1696	2504	78.99	13.2
45	48	5.2	249.1	199.9	1.023	1866	3053	80.28	12.3
50	48	6.97	334.0	273.2	1,270	2054	3790	81.74	11.3
55	47.95	9.1	435.5	359.8	1.526	2252	4555	82.57	10.5
60	47.93	11.46	548.8	453.1	1.769	2445	5283	82.49	9.6
65	47.92	14.26	682.9	564.3	2.065	2610	6118	82.59	9.0
70	47.85	16.83	804.7	673.5	2.321	2771	6911	83.66	8.6
75	47.82	19.57	935.5	786.3	2.570	2923	7659	84	8.2
80	47.82	22.87	1093.0	915.5	2.850	3067	8542	83.72	7.8
85	47.73	26.83	1280.1	1063.5	3.161	3213	9408	83.03	7.3
90	47.74	31.23	1490.6	1216.7	3.460	3358	10243	81.57	6.9
95	47.71	37.55	1790.7	1400.5	3.817	3504	11190	78.17	6.2
100	47.64	42.03	2002.2	1603.9	4.165	3677	12267	80.07	6.1

MAD M9C12 V3.1 IPE 100KV FLUXER PRO 32x9.6 MATT AMPX 80A (5-14S)

12S MAX 83°C

Throttle Voltage Current "904 Output Power Torque RPM Thrust Efficiency Efficiency (%) (V) (A] (W) (N×m) (gf) (%) (gf/M)

30	48.01	2.24	107.2	83.0	0.623	1273	1694	77.41	15.8
35	48	3.5	167,5	135.2	0.868	1488	2395	80.69	14.3
40	48	4.78	229.0	183.6	1.057	1659	2926	80.14	12.8
45	47.98	6.34	303.4	248.2	1.297	1828	3610	81.78	11.5
50	47.94	8.37	400.5	329.1	1,574	1997	4424	82.13	11.0
55	47.92	11.02	527.5	432.6	1,899	2176	5317	81.96	10.1
60	47.93	13.72	656.8	540.6	2.190	2357	6151	82.26	9.4
65	47.87	17.1	818.3	668.0	2.541	2511	7150	81.58	8.7
70	47.87	20.58	984.7	794.7	2,849	2664	7930	80.66	8.1
75	47.81	24.15	1154.0	934.1	3.183	2802	8830	80.88	7.7
80	47.76	27.97	1335.1	1077.0	3,498	2940	9699	80.62	7.3
85	47.69	33.05	1575.6	1251.2	3.906	3059	10920	79.37	6.9
90	47.67	39.17	1867.0	1416.5	4.233	3195	11708	75.83	6.3
95	47,59	43.42	2066.1	1586.9	4.557	3326	12575	76.76	6.1
00	47.55	51.27	2437.6	1807.6	4.983	3464	13798	74.12	5.7

The above data are the theoretical values when the input voltage is 48V, for reference only, in the case of room temperature of 25°C and no additional cooling device, the current over 51A is non-working zone,17-51A is short-term (about 10-30s), working zone, and below 17A is sustainable working zone. In actual use, please control the motor running time according to the working environment temperature and heat dissipation conditions.

**ENERGY EFFICIENT 110KV** INDUSTRY PROFESSIONAL EDITION

4.5~6.0 kgf

RECOMMENDED HOVER THRUST

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HOVER THRUST

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optimized 496g efficiency > 82%

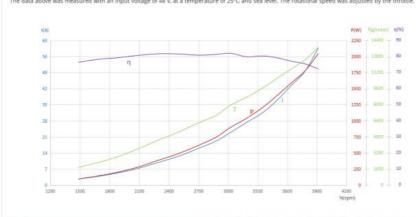


MAD M9C12 V3.1 IPE 110KV FLUXER PRO 30x10 MATT AMPX 80A (5-14S)

125

MAX 89°C

I – Current, P – Input Power, η – Electrical Efficiency, T – Thrust, N – Rotational Speed
The data above was measured with an input voltage of 48 V, at a temperature of 25°C and sea level. The rotational speed was adjusted by the throttle.



Specifications			
RPM/V	110 KV	Nominal Voltage	125 lipo battery
No Load Current	1.37A/30V	Internal resistance	50 mΩ
Motor Weight	496 g	Product Boxed Weight	902g (200 x 200 x 70 mm)
Maximum Current	60 A	Maximum Power	2823W
Maximum thrust	13.7 kg	Maximum Torque	5.0 Nm
Recommended ESC	MAD AMPX 80A (5-14S)	Recommended Propellers	28x8.4, 29x8.7, 29x10, 30x10
UAV take-off weight	12S-30"/ 21kgQuadcopter 31.5kgHexacopter 42kgOctocopter	Single rotor take-off weight	4.5kg ~ 6kg

MAD M9C12 V3.1 IPE 110KV FLUXER PRO 28x8.4 MATT AMPX 80A (5-14S)

125 70°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N×m]	RPM	Thrust (gf)	Efficiency [%]	Efficiency [gf/W]
30	48.09	2.14	102.4	71,4	0.448	1523	1350	69.76	13.2
35	48.09	3	143.6	105.7	0.581	1738	1764	73.58	12.3
40	48.08	3.96	190.2	144.5	0.711	1941	2215	75.93	11.6
45	48,1	5.32	255.5	202.0	0.891	2166	2732	79.05	10.7
50	48.07	7.12	341.5	280.4	1.104	2424	3392	82.06	9.9
55	48.02	9.36	448.8	371.1	1.337	2651	4152	82.65	9.3
60	48.02	11.71	561.8	469.1	1.565	2862	4902	83.46	8.7
65	48.01	14.07	674.9	566.2	1.770	3054	5512	83.86	8.2

	47.99	17.11	820.6	684.0	2.020	3233	6339	83.33	7,
75	47.93	19.97	956.7	796.3	2.221	3425	6980	83.2	7.
80	47.96	23.03	1104.3	933.6	2.468	3612	7717	84.5	7.
85	47.89	27.46	1314.7	1096.0	2.775	3772	8598	83.33	6.
90	47.86	31.23	1494.4	1252.9	3.023	3958	9463	83.79	6.
95	47.81	35.36	1689.9	1415.7	3.266	4140	10234	83.73	6.
100	47.77	43.07	2057.5	1658.8	3.650	4340	11434	80.57	5.
MAD M	9C12 V3.1 IP	PE 110KV I	ELLIVER PRO	29x8.7MATT	AMPX 80	Δ (5.145)		125	M
WAD W	2C12 V3.1 IF	ETTORY		7 29X0.7 MATT	AMIFA OU	A (3-143)		123	75
(%)	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N×m]	RPM	Thrust (gf)	Efficiency [%]	Effici [gf
30	47.9	2.3	109.5	81.0	0.513	1507	1537	73.93	14
35	47.9	3.23	154.0	119.0	0.662	1717	1943	77.22	12
40	47.9	4.35	207.7	162,1	0.808	1916	2406	78.01	11
45	47,9	5.83	278.5	222.9	0.997	2135	2977	80	10
50	47.84	7.93	378.6	311.1	1,249	2379	3751	82.12	9
55	47.82	10.16	485,1	403.9	1.481	2604	4539	83.2	9.
60	47.81	12.71	607.2	508.9	1.728	2812	5230	83.76	8
65	47.81	15.08	720.5	607.5	1.932	3003	5794	84.27	8.
70	47.76	18.52	884.4	722,4	2.168	3182	6592	81.64	7.
75	47.76	22.14	1056.5	858.5	2.447	3351	7456	81.22	7
80	47.72	25.02	1193,7	997.7	2.695	3535	8095	83.54	6
85	47.66	29.16	1389.3	1155.2	2.976	3707	9012	83.14	6
90	47.62	34.7	1651.9	1346.1	3.333	3857	10199	81.47	6.
95	47,58	40,08	1906,6	1510.4	3.575	4035	10917	79.19	.5
100	47.51	45.53	2162.5	1765.5	3.984	4231	12034	81.63	5
MAD M	9C12 V3.1 IP	PE 110KV	HAVOC 29x1	0 folding prop	eller AMI	PX 80A (5-14	1S)	125	M. 80
hrottle	Voltage	Current	Input Power	Output Power	Torque	RPM	Thrust	Efficiency	Effic
	[V]	[A]	[W]	[W]	[N×m]		[gf]	[%]	Igf
30	47.89	2.56	122.3	89.6	0.574	1490	1659	73.27	13
35	47.9	3.61	172.2	129.2	0.727	1697	2083	74.99	12
							77.77		
40	47.89	4.83	230.8	179.5	0.907	1889	2565	77.74	11
45	47.9	6.59	315.0	248,3	1.129	2101	3255	78.77	10
50	47.82	8.81	420.8	339.7	1.389	2336	4058	80.67	9
55	47.83	11.32	541.1	444.2	1.660	2555	4852	82.04	9.
60	47.81	14.21	678.9	563.5	1.955	2752	5707	82.96	8
65	47.74	17.22	821.5	675.9	2.195	2940	6343	82.21	7
70	47.72	20.96	999.7	810.8	2.494	3104	7179	81.06	7
75	47.7	23.89	1139.2	918.7	2.670	3286	7664	80.6	6
80	47.64	27.94	1330.5	1093.0	3.031	3444	8628	82.1	6
	47.65	33.25	1583.8	1264.1	3.346	3608	9745	79.75	6
85						5000	7.77		
85				1424.2		2770	10000		-
90	47.56	36.51	1736.1	1421.3	3.593	3778	10298	81.84	
90 95	47.56 47.53	36.51 42.02	1736.1 1996.6	1613.2	3.922	3928	11247	81.84 80.76	5
90	47.56	36.51	1736.1					81.84	5
90 95 100	47.56 47.53	36.51 42.02 49.76	1736.1 1996.6 2359.8	1613.2 1872.7	3.922	3928 4121	11247	81.84 80.76	5. 5. M. 89
90 95 100	47.56 47.53 47.43	36.51 42.02 49.76	1736.1 1996.6 2359.8 FLUXER PRO	1613.2 1872.7	3.922 4.340	3928 4121	11247	81.84 80.76 79.32	5. 5.
90 95 100 MAD M9 hrottle [%]	47.56 47.53 47.43 9C12 V3.1 IP Voltage [V]	36.51 42.02 49.76 PE 110KV I	1736.1 1996.6 2359.8 FLUXER PRO Input Power [W]	1613.2 1872.7 9 30x10 MATT Output Power	3.922 4.340 AMPX 80 Torque [N×m]	3928 4121 A (5-145)	11247 12178 Thrust [gf]	81.84 80.76 79.32 <b>12S</b> Efficiency	5 5 M 89 Effic
90 95 100 MAD M9 hrottle [%]	47.56 47.53 47.43 9C12 V3.1 IP Voltage [V] 47.9	36.51 42.02 49.76 PE 110KV I	1736.1 1996.6 2359.8 FLUXER PRO Input Power [W] 128.5	1613.2 1872.7 9 30x10 MATT Output Power [W] 98.2	3.922 4.340 AMPX 80 Torque [N×m] 0.632	3928 4121 A (5-145) RFM	11247 12178 Thrust [gf] 1773	81.84 80.76 79.32 <b>12S</b> Efficiency [%]	5 M. 89 Effic (gf
90 95 100 MAD M9 hrottle (%) 30 35	47.56 47.53 47.43 9C12 V3.1 IP Voltage [V] 47.9 47.88	36.51 42.02 49.76 PE 110KV I Current [A] 2.7 3.89	1736.1 1996.6 2359.8 FLUXER PRO Input Power [W] 128.5 185.7	1613.2 1872.7 330x10 MATT Output Power [W] 98.2 145.4	3.922 4.340 AMPX 80 Torque [N×m] 0.632 0.824	3928 4121 A (5-145) RPM 1485 1685	11247 12178 Thrust [gf] 1773	81.84 80.76 79.32 12S Efficiency [%] 76.4 78.27	5 5 M. 89 Effic Igf
90 95 100 MAD M9 hrottle [%] 30 35 40	47.56 47.53 47.43 9C12 V3.1 IP Voltage [V] 47.9 47.88 47.89	36.51 42.02 49.76 PE 110KV I Current [A] 2.7 3.89 5.29	1736.1 1996.6 2359.8 FLUXER PRO Input Power IWI 128.5 185.7 253.0	1613.2 1872.7 2 30x10 MATT Output Power [W] 98.2 145.4 200.5	3.922 4.340 AMPX 80 Torque [N×m] 0.632 0.824 1.023	3928 4121 A (5-145) RPM 1485 1685 1873	11247 12178 Thrust [gf] 1773 2271 2812	81.84 80.76 79.32 12S Efficiency [%] 76.4 78.27 79.19	5 M. 89 Effic 13 12 11
90 95 100 MAD MS hrottle [%] 30 35 40 45	47.56 47.53 47.43 9C12 V3.1 IP Voltage [V] 47.9 47.88 47.89 47.88	36.51 42.02 49.76 PE 110KV I Current [A] 2.7 3.89 5.29 7.19	1736.1 1996.6 2359.8 FLUXER PRO Input Power [W] 128.5 185.7 253.0 343.7	1613.2 1872.7 3 30x10 MATT Output Power [W] 98.2 145.4 200.5 277.1	3.922 4.340 AMPX 80 Torque [N×m] 0.632 0.824 1.023 1.276	3928 4121 A (5-145) RPM 1485 1685 1873 2074	11247 12178 Thrust [gf] 1773 2271 2812 3575	81.84 80.76 79.32 12S Efficiency [%] 76.4 78.27 79.19 80.6	5 5 M. 89 Effice Light 13 12 11 10
90 95 100 MAD M9 hrottle [%] 30 35 40	47.56 47.53 47.43 9C12 V3.1 IP Voltage [V] 47.9 47.88 47.89	36.51 42.02 49.76 PE 110KV I Current [A] 2.7 3.89 5.29	1736.1 1996.6 2359.8 FLUXER PRO Input Power IWI 128.5 185.7 253.0	1613.2 1872.7 2 30x10 MATT Output Power [W] 98.2 145.4 200.5	3.922 4.340 AMPX 80 Torque [N×m] 0.632 0.824 1.023	3928 4121 A (5-145) RPM 1485 1685 1873	11247 12178 Thrust [gf] 1773 2271 2812	81.84 80.76 79.32 12S Efficiency [%] 76.4 78.27 79.19	5 5 M. 89 Effice Light 13 12 11 10
90 95 100 MAD MS hrottle [%] 30 35 40 45	47.56 47.53 47.43 9C12 V3.1 IP Voltage [V] 47.9 47.88 47.89 47.88	36.51 42.02 49.76 PE 110KV I Current [A] 2.7 3.89 5.29 7.19	1736.1 1996.6 2359.8 FLUXER PRO Input Power [W] 128.5 185.7 253.0 343.7	1613.2 1872.7 3 30x10 MATT Output Power [W] 98.2 145.4 200.5 277.1	3.922 4.340 AMPX 80 Torque [N×m] 0.632 0.824 1.023 1.276	3928 4121 A (5-145) RPM 1485 1685 1873 2074	11247 12178 Thrust [gf] 1773 2271 2812 3575	81.84 80.76 79.32 12S Efficiency [%] 76.4 78.27 79.19 80.6	5 5 M. 89 Effic [gf 13 12 11 10 9
90 95 100 MAD MS hrottle [%] 30 35 40 45 50	47.56 47.53 47.43 9C12 V3.1 IP Voltage [V] 47.9 47.88 47.89 47.88 47.83	36.51 42.02 49.76 PE 110KV I Current [A] 2.7 3.89 5.29 7.19 9.91	1736.1 1996.6 2359.8 FLUXER PRO Input Power [W] 128.5 185.7 253.0 343.7 473.5	1613.2 1872.7 0 30×10 MATT Output Power [W] 98.2 145.4 200.5 277.1 386.9	3.922 4.340 AMPX 80 Torque [N×m] 0.632 0.824 1.023 1.276 1.613	3928 4121 A (5-145) RPM 1485 1685 1873 2074 2291	11247 12178 Thrust [gf] 1773 2271 2812 3575 4479	81.84 80.76 79.32  12S  Efficiency [%] 76.4 78.27 79.19 80.6 81.68	5. 5. M. 89 Effic Igf 13 12 11 10 9. 8.
90 95 100 MAD M9 hrottle (%) 30 35 40 45 50 55 60	47.56 47.53 47.43 9C12 V3.1 IP Voltage [V] 47.9 47.89 47.89 47.83 47.81 47.82	36.51 42.02 49.76 PE 110KV I Current (A) 2.7 3.89 5.29 7.19 9.91 12.72 16.03	1736.1 1996.6 2359.8 FLUXER PRO input Power [W] 128.5 185.7 23.0 343.7 473.5 607.7 765.9	1613.2 1872.7 3 30×10 MATT Output Power [W] 98.2 145.4 200.5 277.1 386.9 495.9	3.922 4.340 AMPX 80 Torque (N+m) 0.632 0.824 1.023 1.276 1.613 1.891 2.192	3928 4121 A (5-145) RPM 1485 1685 1873 2074 2291 2504 2699	11247 12178 Thrust [gf] 1773 2271 2812 3575 4479 5321 6194	81.84 80.76 79.32 12S Efficiency [%] 76.4 78.27 79.19 80.6 81.68 81.58 80.83	55 5 M. 899 Efficient 13 12 11 10 9 8 8 8 8
90 95 100 MAD M9 hrottle [%] 30 35 40 45 50 55 60 65	47.56 47.53 47.43 9C12 V3.1 IP Voltage IVI 47.9 47.89 47.89 47.88 47.81 47.82 47.72	36.51 42.02 49.76 PE 110KV II Current (A) 2.7 3.89 5.29 7.19 9.91 12.72 16.03 19.19	1736.1 1996.6 2359.8 FLUXER PRO Input Power [W] 128.5 185.7 253.0 343.7 473.5 607.7 765.9 915.3	1613.2 1872.7 0 30×10 MATT Cutput Power [W] 98.2 145.4 200.5 277.1 386.9 495.9 619.5 744.7	3.922 4.340 AMPX 80 Torque [N+m] 0.632 0.824 1.023 1.276 1.613 1.891 2.192 2.472	3928 4121 A (5-145) RPM 1485 1685 1873 2074 2291 2504 2699 2876	11247 12178 Thrust [st] 1773 2271 2812 3575 4479 5321 6194 6945	81.84 80.76 79.32 12S Efficiency [1/2] 76.4 78.27 79.19 80.6 81.68 81.58 80.83 81.3	5.5 MM. 899 Efficient 133 122 111 100 9 8 8 8 7 7
90 95 100 MAD MS 100 MS 100 MAD MS 100 M	47.56 47.53 47.43 9C12 V3.1 IP Voltage (V) 47.9 47.88 47.89 47.88 47.83 47.81 47.82 47.72	36.51 42.02 49.76 PE 110KV I Current (A) 2.7 3.89 5.29 7.19 9.91 12.72 16.03 19.19 23	1736.1 1996.6 2359.8 FLUXER PRO Input Power [WI 128.5 185.7 253.0 343.7 473.5 607.7 765.9 915.3 1096.5	1613.2 1872.7 0 30×10 MATT Output Power (W) 98.2 145.4 200.5 277.1 386.9 495.9 619.5 744.7 899.4	3.922 4.340 AMPX 80 Torque [N#m] 0.632 0.824 1.023 1.276 1.613 1.891 2.192 2.472 2.839	3928 4121 A (5-145) RPM 1485 1685 1873 2074 2291 2504 2699 2876 3026	11247 12178 Thrust [st] 1773 2271 2812 3575 4479 5321 6194 6945 7964	81.84 80.76 79.32 12S Efficiency [½] 76.4 78.27 79.19 80.6 81.68 81.58 80.83 81.3 81.98	5.5 M. 89 Efficient 13 12 11 11 10 9 8 8 8 7.7
90 95 100 MAD MS hrottle (%) 30 35 40 45 50 65 70 75	47.56 47.53 47.43 9C12 V3.1 IP Voltage [V] 47.9 47.88 47.89 47.88 47.81 47.82 47.72 47.72	36.51 42.02 49.76 PE 110KV I Current [A] 2.7 3.89 5.29 7.19 9.91 12.72 16.03 19.19 23 27.38	1736.1 1996.6 2359.8 FLUXER PRO Input Power [W] 128.5 185.7 253.0 343.7 473.5 607.7 765.9 915.3 1096.5	1613.2 1872.7 2 30x10 MATT Output Power [W] 98.2 145.4 200.5 277.1 386.9 495.9 619.5 744.7 899.4 1042.1	3.922 4.340 AMPX 80 Torque [Nam] 0.632 0.824 1.023 1.276 1.613 1.891 2.192 2.472 2.839 3.120	3928 4121 A (5-145) RPM 1485 1685 1873 2074 2291 2504 2699 2876 3026 3190	11247 12178 12178 1773 2271 2812 3575 4479 5321 6945 7964 8762	81.84 80.76 79.32 12S Efficienty (%) 76.4 78.27 79.19 80.6 81.68 81.58 80.83 81.3 81.98 79.82	5.5 5.5 M. 89 Efficient 13 12 111 10 9 8.8 8.8 7.7
90 95 100 MAD M9 Frottle (%) 30 35 40 45 50 55 60 65 70 75 80	47.56 47.53 47.43 9C12 V3.1 IP Voltage [V] 47.9 47.88 47.89 47.88 47.83 47.81 47.82 47.72 47.67 47.67	36.51 42.02 49.76 PE 110KV I Current [A] 2.7 3.89 5.29 7.19 9.91 12.72 16.03 19.19 23 27.38 31.5	1736.1 1996.6 2359.8 FLUXER PRO Input Power IWI 128.5 185.7 253.0 343.7 473.5 607.7 765.9 915.3 1096.5 1305.0 1500.2	1613.2 1872.7 0 30×10 MATT Output Power [W] 98.2 145.4 200.5 277.1 386.9 495.9 619.5 744.7 899.4 1042.1 1205.6	3.922 4.340 AMPX 80 Torque (Nem) 0.632 0.824 1.023 1.276 1.613 1.891 2.192 2.472 2.472 2.439 3.120 3.440	3928 4121 A (5-145) RPM 1485 1685 1873 2074 2291 2504 2699 2876 3026 3190 3347	11247 12178 Thrust [sf] 1773 2271 2812 3575 4479 5321 6945 6945 6945 8762 9649	81.84 80.76 79.32 12S Efficiency [%] 76.4 78.27 79.19 80.6 81.68 81.58 80.83 81.3 81.98 79.82 80.33	55 MM. 899 Efficient 131 122 111 100 8 8 8 7 7 7 6 6 6
90 95 100 MAD MS hrottle (%) 30 35 40 45 50 65 70 75	47.56 47.53 47.43 9C12 V3.1 IP Voltage [V] 47.9 47.88 47.89 47.88 47.81 47.82 47.72 47.72	36.51 42.02 49.76 PE 110KV I Current [A] 2.7 3.89 5.29 7.19 9.91 12.72 16.03 19.19 23 27.38	1736.1 1996.6 2359.8 FLUXER PRO Input Power [W] 128.5 185.7 253.0 343.7 473.5 607.7 765.9 915.3 1096.5	1613.2 1872.7 2 30x10 MATT Output Power [W] 98.2 145.4 200.5 277.1 386.9 495.9 619.5 744.7 899.4 1042.1	3.922 4.340 AMPX 80 Torque [Nam] 0.632 0.824 1.023 1.276 1.613 1.891 2.192 2.472 2.839 3.120	3928 4121 A (5-145) RPM 1485 1685 1873 2074 2291 2504 2699 2876 3026 3190	11247 12178 12178 1773 2271 2812 3575 4479 5321 6945 7964 8762	81.84 80.76 79.32 12S Efficienty (%) 76.4 78.27 79.19 80.6 81.68 81.58 80.83 81.3 81.98 79.82	5. 5. M. 89
90 95 100 MAD M9 Frottle (%) 30 35 40 45 50 55 60 65 70 75 80	47.56 47.53 47.43 9C12 V3.1 IP Voltage [V] 47.9 47.88 47.89 47.88 47.83 47.81 47.82 47.72 47.67 47.67	36.51 42.02 49.76 PE 110KV I Current [A] 2.7 3.89 5.29 7.19 9.91 12.72 16.03 19.19 23 27.38 31.5	1736.1 1996.6 2359.8 FLUXER PRO Input Power IWI 128.5 185.7 253.0 343.7 473.5 607.7 765.9 915.3 1096.5 1305.0 1500.2	1613.2 1872.7 0 30×10 MATT Output Power [W] 98.2 145.4 200.5 277.1 386.9 495.9 619.5 744.7 899.4 1042.1 1205.6	3.922 4.340 AMPX 80 Torque (Nem) 0.632 0.824 1.023 1.276 1.613 1.891 2.192 2.472 2.472 2.439 3.120 3.440	3928 4121 A (5-145) RPM 1485 1685 1873 2074 2291 2504 2699 2876 3026 3190 3347	11247 12178 Thrust [sf] 1773 2271 2812 3575 4479 5321 6945 6945 6945 8762 9649	81.84 80.76 79.32 12S Efficiency [%] 76.4 78.27 79.19 80.6 81.68 81.58 80.83 81.3 81.98 79.82 80.33	55 MM. 899 Efficient 131 122 111 100 8 8 8 7 7 7 6 6 6
90 95 100 MAD M9 hrottle (%) 30 40 45 50 55 60 65 70 75 80 85	47.56 47.53 47.43 9C12 V3.1 IP Voltage [V] 47.9 47.88 47.89 47.88 47.83 47.81 47.82 47.72 47.72 47.67 47.64	36.51 42.02 49.76 PE 110KV I	1736.1 1996.6 2359.8 FLUXER PRO Input Power [W] 128.5 128.5 253.0 343.7 473.5 607.7 765.9 915.3 1096.5 1305.0 1500.2	1613.2 1872.7 30X10 MATT Output Power IVI 98.2 145.4 200.5 277.1 386.9 495.9 619.5 744.7 899.4 1042.1 1205.6 1388.8	3.922 4.340 AMPX 80 Torque (Nem) 0.632 0.824 1.023 1.276 1.613 1.891 2.192 2.472 2.473 3.120 3.440 3.797	3928 4121 A (5-145) RPM 1485 1685 1873 2074 2291 2504 2699 2876 3026 3190 3347 3493	11247 12178 12178 150] 1773 2271 2812 3575 4479 5321 6194 6945 6946 8762 9649 10602	81.84 80.76 79.32  12S  Efficiency [%] 76.4 78.27 79.19 80.6 81.68 81.58 80.83 81.3 81.98 79.82 80.33 79.21	55 M.89 Efficient 13 12 11 10 9 8 8 8 7 7 6 6 6 6
90 95 100 MAD M9 hrottle (%) 30 35 40 45 50 55 60 65 70 70 75 80 85	47.56 47.53 47.43 9C12 V3.1 IP Voltage IVJ 47.9 47.88 47.89 47.83 47.81 47.82 47.72 47.67 47.64 47.56 47.51	36.51 42.02 49.76 PE 110KV II Current (A) 2.7 3.89 5.29 7.19 9.91 12.72 16.03 19.19 23 27.38 31.5 36.86 43.25	1736.1 1996.6 2359.8 FLUXER PRO Input Power [W1 128.5 185.7 253.0 343.7 473.5 607.7 765.9 915.3 1096.5 1305.0 1500.2 1752.8 2054.4	1613.2 1872.7 0 30×10 MATT Output Power [W] 98.2 145.4 200.5 277.1 386.9 495.9 619.5 744.7 899.4 1042.1 1205.6 1388.8 1585.0	3.922 4.340 AMPX 80 Torque [N+m] 0.632 0.824 1.023 1.276 1.613 1.891 2.192 2.472 2.839 3.120 3.440 3.797 4.163	3928 4121 A (5-145) RPM 1485 1685 1873 2074 2291 2504 2699 2876 3026 3190 3347 3493 3636	11247 12178 1773 1773 2271 2812 3575 4479 5321 6194 6945 7964 9649 10602 11543	81.84 80.76 79.32 12S Efficiency [%] 76.4 78.27 79.19 80.6 81.68 81.58 80.83 81.3 81.3 81.98 79.82 80.33 79.21 77.12	55 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5

# **Our Services**

- 1. We provide 1 Year Warranty. Buy with confidence.
  2. If you are not satisfied when you receive your item, please return it within 14 days for a replacement or money back. Please contact me before you return it.
- 3. If item is defective in 3 months, We will send you a replacement without extra charger, or offer refund after we receive the defective item.
- 4. If item is defective after 3 months, you can still send it back to us. We will send you a new one after receiving the defective item. But you have to pay the extra shipping fee.



## **FAQ**

Q1: Do you support OEM/ODM?

A1: Yes. We can print your logo on the product.

Q2: About samples.

A2: Under normal circumstances, samples will be ready within 7 days, and 10-20 days for OEM/ODM orders. Sample fee and shipping will be charged.

Q3: What is the delivery time?

A3: For regular orders, we can ship within 15 days, for OEM/ODM, we can ship within 25-45 days (depending on the quantity). In the event of delays, we will notify you in advance of the status and resolution.

Q4: What is the minimum order quantity?

A4: There is no MOQ for wholesale (1 piece accepted), including OEM/ODM.

Q5: What are your payment terms?

A5: L/C.TT100%.

Q6: Can you reduce the shipping cost?

A6: When calculating the shipping cost for you, we always choose the cheapest and safest express. Although we have partnerships with shipping companies, we can't keep costs down because it's not us who get paid. If you think it's expensive for you. You can always make your own choice.

Q7: Return policy.
A7: If you want to replace the received item, you must contact us within 7 days after receiving the item. Returned items should be in their original condition and you should pay for additional shipping.



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