

M8C10 EEE Brushless DC Motor With 80mm 16 Awg Black Silicone Cable

Basic Information

Place of Origin: Guangdong, China

Brand Name: GS

Model Number: M8C10 EEE 90KV 100KV

• Price: Negotiable

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



Product Specification

Motor Model: M8C10 EEE V2.0
 D87.1 X26.7 MmMotor D:87.1 X28.7 Mm

Size.

• Propeller Mounting Holes: D:20 M3x4. D:23 M4x4

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

• Cable Length: 80 Mm 16# Awg(Black) Silicone

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

• Motor Mounting Holes: D:36 M4x4, D:48 M3x4

• Disruptive Test: 500 V

• Highlight: EEE Brushless DC Motor,

M8C10 Brushless DC Motor, M8C10 EEE Brushless DC Motor



More Images









M8C10 EEE Brushless DC Motor

M8C10 motor is the most classic product among UAV motors. MAD COMPONENTS M8C10 is one of the most efficient motors among them, and the most widely used motors for UAV of high-end aerial photography, exploration, archaeology, remote sensing surveying, mapping etc. Endurance flight time varies from 30-120min.

Performance characteristics

Efficiency: High efficiency, lower power consumption and heat output.

Noise level: Designed to minimize noise during operation.

Thermal Management: Features to manage and efficiently dissipate heat, maintaining optimal performance.

M8C10

ENERGY EFFICIENT 90KV ENTHUSIASTS EXTREME EDITION

3.0~4.5 kgf 9.8 kgf

9.8 kgf

MAXIMUM MAXIMUM THRUST MAY BEPTER
THRUST APPRESS APPROAD PRODUCTION

OPTIMIZED 298g

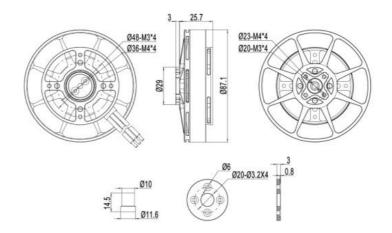
EFFICIENCY > 76%





Motor Data			
Motor Model	MAD M8C10 EEE V1.0	Number of pole pairs	21
Stator	TAIWAN / Anticorrosive	Varnished wire Degree	180°C
Motor Size	D:87.1 × 28.7 mm	Magnet Degree	150°C
Degree of Protection	Rain protection	Cable Length	80mm 16# Awg(Black) silicone
Centrifugal Heat Dissipation	Independent	Rotor Balance	≤5 mg
Propeller Mounting Holes	D:20 M3×4, D:23 M4×4	Motor Balance	≤10 mg
Shaft Diameter	IN: 15 mm	Motor Mounting Holes	D:36 M4×4, D:48 M3×4
Bearing	EZO 6802ZZ*2	Disruptive test	500 V
Additional Accessories	Propeller Plate *1, Locating Pin *1, 3.5mm Bullet Connector *3, Heat Sh	. M4*10mm *4 (Motor Screws) , M3*14mi nrinkable Tube *3, Sticker*2.	m *4 (Propeller Screws) ,

Specifications			
RPM/V	90 KV	Nominal Voltage	12S lipo battery
No Load Current	0.82A/30V	Internal resistance	122 mΩ
Motor Weight	298 g	Product Boxed Weight	548g (150 x 150 x 65 mm)
Maximum Current	38.8 A	Maximum Power	1863W
Maximum thrust	9.8 kg	Maximum Torque	3.8Nm
Recommended ESC	MAD AMPX 40A (5-14S) HV	Recommended Propellers	32X12, 32x9.6
UAV take-off weight	125-32"/ 16kgQuadcopter 24kgHexacopter 32kgOctocopter	Single rotor take-off weight	3kg ~ 4.5kg



125

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N×m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	48.09	1.7	81.7	61,9	0.539	1096	1343	76.21	16.5
35	48.09	2.62	125.8	95.2	0.719	1265	1793	76.01	14.3
40	48.08	3.87	186.1	142.6	0.940	1449	2372	76.76	12.8
45	48.08	5.03	241.8	186.9	1.125	1587	2833	77.44	11.7
50	48.07	6.67	320.8	247.6	1.376	1718	3402	77.27	10.6
55	48.06	8.34	400.9	311.1	1.595	1862	4002	77.65	10.0
60	48.06	10.4	499.6	388.6	1.854	2001	4604	77.81	9.2
65	48.06	12.99	624.3	478.9	2.144	2133	5302	76.71	8.5
70	48.06	15.74	756.2	575.7	2.437	2256	6038	76.12	8.0
75	48.03	18.67	897.0	670.5	2.695	2376	6660	74.74	7.4
80	48.01	21.9	1051.4	764.4	2.936	2486	7236	72.69	6.9
85	48	25.57	1227.3	866.5	3.210	2578	7917	70,58	6.5
90	47.99	28.83	1383.7	957.3	3.423	2671	8404	69.16	6.1
95	48	33.61	1613.4	1039.6	3.628	2736	8975	64.42	5.6
100	47.94	37.69	1807.0	1106.8	3.789	2789	9269	61.22	5.1

125

MAX

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N×m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	48.18	1.75	84.4	59.0	0.490	1150	1262	70.48	15.0
35	48.18	2.72	130.8	98.7	0.697	1352	1797	75.77	13.7
40	48.18	3.77	181.8	139.8	0.882	1513	2276	77.09	12.5
45	48.19	4.9	236.1	185.6	1.063	1668	2783	78.72	11.8
50	48.2	6.43	309.9	245.6	1.285	1824	3343	79.29	10.8
55	48.16	8.11	390.8	310.4	1.496	1981	3925	79.49	10.0
60	48.16	10.22	492.0	392.7	1.753	2140	4575	79.84	9.3
65	48.15	12.78	615.3	484.0	2.025	2283	5277	78.68	8.6
70	48.17	15.3	737.0	582.2	2.291	2427	5958	78.99	8.1
75	48.13	18.46	888.8	684.3	2.569	2544	6679	77.01	7.5
80	48.12	22.11	1064.0	787.3	2.815	2671	7295	73.98	6.9
85	48.11	25.18	1211.2	897.7	3.090	2774	7998	74.09	6.6
90	48.09	28.72	1381.3	1006.2	3.343	2874	8641	72.84	6.3
95	48.1	33.95	1633.4	1098.9	3.532	2971	9120	67.25	5.6
100	48.03	38.78	1862.7	1218.0	3.800	3060	9827	65.36	5.3

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 39A is non-working zone.13-39A is short-term (about 10-30s), working zone, and below 13A 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 100KV ENTHUSIASTS EXTREME EDITION

4.0~5.5 kgf

RECOMMENDED HOVER THRUST

10.6 kgf

MAXIMUM MAXIMUM MAXIMUM HURIST MAY DEPEND ON THRUST MAY DEPEND ON

optimized $290\,g$ efficiency > 78%





Specifications						
RPM/V	100 KV	Nominal Voltage	12S lipo battery			
No Load Current	0.93A/30V	Internal resistance	110 mΩ			
Motor Weight	290 g	Product Boxed Weight	551g (150 x 150 x 65 mm)			
Maximum Current	45.5 A	Maximum Power	2089W			
Maximum thrust	10.6 kg	Maximum Torque	4.0Nm			
Recommended ESC	MAD AMPX 60A (5-14S) HV	Recommended Propellers	28x12, 29x9.6, 30x10.0, 32x9.6			
UAV take-off weight	12S-30"/ 16kgQuadcopter 24kgHexacopter 32kgOctocopter	Single rotor take-off weight	4kg - 5.5kg			

12S MAX 88°C

Voltage [V] Output Powe [W] 30 48.08 1.86 89.4 66.9 0.506 1263 1337 75.5 15.1 35 48.05 2.98 143.2 111.7 0.717 1489 1934 78.12 13.5 40 48.03 4.01 192.7 152.6 0.878 1661 2393 79.43 12.5 48.01 204,3 1,063 1834 80.62 6.78 325.5 419.0 342.6 1,496 2188 83.48 10.0 60 11.07 530.2 431.8 1.746 4773 47.9 2362 83.04 9.2 65 1,994 47.86 13.62 652.0 526.6 2522 5448 82.22 8.5 70 47.81 16.37 782.8 626.3 2.235 2676 6158 81.37 8.0 47.74 19.55 933.3 735.3 2.495 2814 6856 80.01 7.5 80 47.65 22.97 1094.5 846.5 2.740 2950 7571 78.4 7.0 85 47.45 26.55 1260.0 958.3 2.971 3081 8197 76.77 6.6 47.27 31.06 1467.9 1083.2 3.237 3196 8940 74.19 6.1 1671.7 1193.3 3,453 71.52 1322.3

MAD M8C10 EEE 100KV FLUXER PRO 29x8.7 MATT AMPX 60A (5-14S) HV

12S MAX 80°C

Throttle [%]	Voltage [V]	Current [A]	input Power [W]	Output Power [W]	Torque [N×m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	48.06	1.58	75.7	55.3	0.409	1290	1154	73.57	15.4
35	48.04	2.42	116.3	89.7	0.568	1507	1624	77.45	14.0
40	48.01	3.33	159.6	125.1	0.706	1691	2053	78.62	12.9
45	47.98	4.35	208.5	166.7	0.852	1869	2504	81.81	12.3
50	47.94	5.65	271.0	221.0	1.031	2047	3059	83.28	11.5
55	47.89	7.32	350.8	287.7	1.227	2239	3600	83.68	10.5
60	47.84	9.33	446.5	368.2	1.448	2428	4247	83.98	9.7
65	47.78	11.5	549.3	452.0	1.660	2600	4869	83.65	9.0
70	47.7	13.81	658.8	540.0	1.866	2763	5475	83.22	8.4
75	47.63	16.49	785.4	637.9	2.090	2915	6160	82.34	8.0
80	47.57	19.35	920.6	742.2	2.313	3064	6844	81.58	7.5
85	47.48	22.48	1067.6	850.9	2.530	3212	7439	80.5	7.0
90	47.37	26.48	1254.3	981.5	2.808	3338	8302	78.85	6.7
95	47.25	30.29	1431.0	1100.2	3.030	3467	8948	77.27	6.3
100	47.09	35.87	1689.2	1257.1	3.316	3620	9785	74.54	5.8

MAD M8C10 EEE 100KV FLUXER CB2 29x9.6 MATT AMPX 60A (5-14S) HV

12S MAX 78°C

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N×m]	RPM	Thrust (gf)	Efficiency [%]	Efficiency [gf/W]
30	48.07	1.61	77.3	56.5	0.418	1290	1261	73.51	16.4
35	48.04	2.39	114.9	87.1	0.549	1514	1681	76.17	14.7
40	48.01	3.31	158.9	123.3	0.693	1698	2156	77.91	13.6
45	47.99	4.35	208.9	164.8	0.842	1870	2629	80.21	12.8
50	47.95	5.68	272.5	221.0	1.025	2059	3157	82.85	11.8
55	47.9	7.41	355.0	291.4	1.235	2253	3780	83.7	10.9
60	47.85	9.43	451.1	371.8	1.454	2442	4445	83.95	10.0
65	47.77	11.61	554.9	457.1	1.673	2610	5037	83.78	9.2
70	47.7	14.01	668.3	547.9	1.889	2770	5645	83.24	8.6
ne.	COMMONS	12.10	700.0	2023	2.004	2024	2000	02.24	20

	47.64	16.49	/85.5	637.3	Z.081	2924	6080	82.24	7.5
80	47.57	19.39	922.6	740.1	2.307	3063	6742	81.19	7.4
85	47.48	22.44	1065.5	846.8	2.515	3215	7374	80.26	7.0
90	47.37	26.09	1235.8	968.5	2.764	3346	8181	78.95	6.7
95	47.27	29.91	1413.8	1086.2	2.981	3480	8855	77.26	6.3
100	47.48	35.67	1693.5	1251.0	3.287	3635	9656	74.6	5.8
MAD M	8C10 EEE 10	OKV FLUX	ER CB2 30x	10 MATT	AMPX 60A (5	-14S) HV		125	MA
Throttle	185 (E. 185 A. 185 Ph. 1818)	MINISTER BUSINESS	Input	Output Powe	V		-		82°
[%]	Voltage [V]	Current [A]	Power (W)	[W]	[N×m]	RPM	Thrust (gf)	Efficiency [%]	[gf/\
30	48.09	1.59	76.3	56.6	0.419	1289	1273	74.89	16.9
35	48.06	2.39	115.1	88.0	0.555	1513	1706	76.87	14.5
40	48.05	3.27	157.3	122.6	0,690	1696	2164	78.21	13.8
45	48.03	4.34	208.5	165,1	0.844	1869	2689	79.39	12.5
50	48	5.73	275.2	223.5	1.040	2053	3283	81.64	12,0
55	47.97	7.47	358.4	292,1	1.247	2237	3848	83.23	11.0
60	47.92	9.43	452.1	370.8	1,460	2425	4445	83,68	10.0
65	47.9	11,55	553.4	453.7	1,669	2596	5123	83.59	9,4
70	47.85	13.98	668.8	544.7	1.887	2756	5800	82.93	8.8
75	47.82	16.66	796.7	645.7	2.119	2910	6400	82.44	8.2
80	47.77	19.42	927.6	743,9	2.324	3057	6969	81.5	7.6
85	47.52	22.62	1074.9	853.7	2.543	3206	7599	80.29	7,2
90	47,41	26.24	1243.9	972.2	2.781	3338	8243	78.83	6.7
95	47.4	30.08	1425.7	1090.7	3.002	3469	9064	77.13	6.4
100	47.08	35.51	1671.4	1249.7	3.287	3630	9862	74.87	5.9
	, margareta		- WELLER A.	100,000					
MAD M	8C10 EEE 10	OKV FLUX	ER PRO 30x	d MATT	AMPX 60A (5	-14S) HV		125	MA 90°
Throttle	Voltage	Current	Input Power	Output Powe		RPM	Thrust	Efficiency	Efficie
[%]		[A]	[W]	[W]	[N×m]		[gf]	[%]	Igf/V
30	48.07	1.81	86.9	62.6	0.471	1269	1377	72.49	16.0
35	48.05	2.74	131.6	100.1	0.639	1496	1876	76.33	14.3
40	48.02	3.73	179.3	138.0	0.788	1672	2352	77.04	13.1
45	48	4.99	239.5	189.1	0.976	1850	2912	79.29	12.2
50	47.97	6.42	307.8	248.0	1,172	2021	3419	82.3	11.4
55	47.92	8.31	398.4	322.8	1,400	2201	4081	82.66	10.5
60	47.89	10.56	505.6	409.6	1,641	2383	4721	82.54	9.5
65	47.85	12,99	621.7	503.9	1.883	2556	5425	82.53	8.9
		15.82							
70	47.79		755.9	607.7	2.146	2704	6132	81.74	8.3
75	47.74	18.77	895.9	712.4	2.390	2846	6803	80.76	7.7
80	47.69	22.15	1056.4	826.0	2.646	2981	7523	79.32	7,2
85	47.62	25.51	1214.8	933.4	2.862	3115	8118	77.84	6.8
90	47.55	29.73	1413.8	1059.5	3,128	3234	8813	75.79	6.3
95	47.16	33.96	1601.7	1170.3	3.331	3355	9442	73.29	
95 100	47.16 47	33.96 40.18	1601.7 1888.6	1170.3 1311.9	3.331 3.605	3355 3475	9442 10158	73.29 69.94	
100		40.18		1311.9		3475			5.4 MA
MAD M	47 8C10 EEE 10	40.18	1888.6	1311.9 12 MATT	3.605 AMPX 60A (5	3475 -14S) HV	10158	69.94 12S	5.4 MA 106
MAD M	47	40.18	1888.6 ER CB2 32x Input Power	1311.9	3.605 AMPX 60A (5	3475		69.94	MA 106
MAD M	47 8C10 EEE 10 Voltage [VI	40.18 DOKV FLUX Current [A]	1888.6 ER CB2 32x Input Power [W]	1311.9 12 MATT Output Powe	3.605 AMPX 60A (5 Torque [N×m]	3475 -14S) HV	10158 Thrust	12S Efficiency	5.9 5.4 MA 106 Efficie Igf/V
MAD Minottle	47 8C10 EEE 10 Voltage [V] 48.13	40.18 OOKV FLUX Current [A] 2.26	1888.6 ER CB2 32x Input Power [W] 108.9	1311.9 12 MATT Output Power (W) 91.7	3.605 AMPX 60A (5 r Torque [N×m] 0.721	3475 -14S) HV RPM	10158 Thrust [gf]	69.94 12S Efficiency [96] 84.57	5.4 MA 106 Efficie Igf/V
MAD Mi	47 8C10 EEE 10 Voltage IVI 48.13 48.12	40.18 OOKV FLUX Current [A] 2.26 3.69	I888.6 ER CB2 32x Input Power [W] 108.9 177.4	1311.9 12 MATT Output Power [W] 91.7 146.7	3.605 AMPX 60A (5 r Torque [Nem] 0.721 0.979	3475 -14S) HV RPM 1215 1430	Thrust [gf] 1824 2493	69.94 12S Efficiency [96] 84.57 82.9	5.4 MA 106 Efficie Igf/V
MAD M hrottle [%] 30 35 40	47 8C10 EEE 10 Voltage FVI 48.13 48.12 48.1	40.18 OOKV FLUX Current [A] 2.26 3.69 5.04	1888.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5	1311.9 12 MATT Output Powe [W] 91.7 146.7 198.8	3.605 AMPX 60A (5 Torque [Num] 0.721 0.979 1.194	3475 -14S) HV RPM 1215 1430 1590	Thrust [gf] 1824 2493 3075	69.94 12S Efficiency [%] 84.57 82.9 82.06	5.4 MA 106 Efficie Igf/V 16.8 14.1
100 MAD M. Throttle [%] 30 35 40 45	47 8C10 EEE 10 Voltage IVI 48.13 48.12 48.1 48.09	40.18 OOKV FLUX Current [A] 2.26 3.69 5.04 6.73	1888.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6	1311.9 12 MATT Output Power [W] 91.7 146.7 198.8 265.1	3.605 AMPX 60A (5 Torque [N×m] 0.721 0.979 1.194 1.453	3475 -14S) HV RPM 1215 1430 1590 1742	Thrust [gf] 1824 2493 3075 3712	69.94 12S Efficiency [%] 84.57 82.9 82.06 82	5.4 MA 106 Efficie Igf/V 16.8 14.1 12.7
100 MAD M. Throttle [%] 30 35 40 45 50	47 8C10 EEE 10 Voltage FVI 48.13 48.12 48.1 48.09 48.05	40.18 OKV FLUX Current [A] 2.26 3.69 5.04 6.73 8.55	1888.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6 410.9	1311.9 12 MATT Output Power [W] 91.7 146.7 198.8 265.1 336.2	3.605 AMPX 60A (5 Torque [Nkm] 0.721 0.979 1.194 1.453 1.697	3475 -14S) HV RPM 1215 1430 1590 1742 1892	Thrust [gf] 1824 2493 3075 3712 4391	69.94 12S Efficiency [%] 84.57 82.9 82.06 82 81.9	5.4 MA 106 Efficie Igfw 16.8 14.1 12.7 11.5
100 MAD M: (hrottle [%] 30 35 40 45 50 55	47 8C10 EEE 10 Voltage [V] 48.13 48.12 48.1 48.09 48.05 48.02	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02	1888.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6 410.9 529.4	1311.9 12 MATT Output Power (W) 91.7 146.7 198.8 265.1 336.2 426.7	3.605 AMPX 60A (5 Torque [N+m] 0.721 0.979 1.194 1.453 1.697 1.988	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049	Thrust [gf] 1824 2493 3075 3712 4391 5148	69.94 12S Efficiency 1761 84.57 82.9 82.06 82 81.9 80.61	5.4 MA 106 Efficie Igf/V 16.8 14.1 12.7 11.5 10.7 9.7
100 MAD M. (hrottle [%] 30 35 40 45 50 55 60	47 8C10 EEE 10 Voltage [V] 48.13 48.12 48.1 48.09 48.05 48.02	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05	IRSS.6 ER CB2 32x Input Power 108.9 177.4 242.5 323.6 410.9 529.4 674.4	1311.9 12 MATT Output Power W1 91.7 146.7 198.8 265.1 336.2 426.7 526.5	3.605 AMPX 60A (5 Torque [N×m] 0.721 0.979 1.194 1.453 1.697 1.988 2.282	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203	Thrust (sf) 1824 2493 3075 3712 4391 5148 5908	69.94 12S Efficiency (%) 84.57 82.9 82.06 82 81.9 80.61 78.08	5.4 MA 106 Efficie 16.8 14.1 12.7 11.5 9.7 8.8
100 MAD M. Throttle [10] 30 35 40 45 50 55 60 65	47 Voltage (V) 48.13 48.12 48.14 48.09 48.05 48.02 48 47.94	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03	1888.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5	1311.9 12 MATT Output Powe PVI 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3	3.605 AMPX 60A (5 Torque [N×m] 0.721 0.979 1.194 1.453 1.697 1.988 2.282 2.608	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333	Thrust Est) 1824 2493 3075 3712 4391 5148 5908 6730	69.94 12S Efficiency [%] 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07	5.4 MA 106 Efficie [gf/v 16.8 14.1 12.7 11.5 10.7 9.7 8.8 8.2
100 MAD M: Throttle [%] 30 35 40 45 50 55 60 65 70	47 Voltage [V] 48.13 48.12 48.1 48.09 48.05 48.05 48.02 48.4 47.74	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95	1888.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0	1311.9 12 MATT Output Power PVI 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4	3.605 AMPX 60A (5 Torque [N×m] 0.721 0.979 1.194 1.453 1.697 1.988 2.282 2.608 2.895	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466	Thrust [st] 1824 2493 3075 3712 15148 5908 6730 7464	69.94 12S Efficiency [%] 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51	5.4 MA 106 Efficie Isf/v 16.3 14.1 12.1 11.9 9.7 8.8 8.2
100 MAD M: Throttle [%] 30 35 40 45 50 55 60 65 70 75	47 Voltage FVI 48.13 48.12 48.1 48.09 48.05 48.02 48 47.94 47.73 47.57	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95 24.89	1888.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0 1183.9	1311.9 12 MATT Output Power EVI 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4 862.2	3.605 AMPX 60A (5 Torque [N×m] 0.721 0.979 1.194 1.453 1.697 1.988 2.282 2.608 2.895 3.203	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466 2571	Thrust [st] 1824 2493 3075 3712 4391 5908 6730 7464 8246	69.94 12S Efficiency [%] 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51 72.91	5.4 MA 106 Efficie Igfo 16.3 14. 12. 11.5 10. 9.7 8.8 8.2 7.0
100 MAD M throttle [%] 30 35 40 45 50 66 67 70 75 80	47 Voltage FVI 48.13 48.12 48.14 48.09 48.05 48.05 48.05 48.05 48.05 48.05 48.05 48.05 48.05	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95 24.89 27.61	1888.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0 1183.9 1298.4	1311.9 12 MATT Output Power (VI) 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4 862.2 960.0	3.605 AMPX 60A (5 Torque [N×m] 0.721 0.979 1.194 1.453 1.697 1.988 2.282 2.608 2.895 3.203 3.419	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466 2571 2681	Thrust [sf] 1824 2493 3075 3712 4391 5148 5908 6730 7464 8246 8918	69.94 12S Efficiency [%] 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51 72.91 73.93	5.44 MAA 1060 Efficiency 16.44 11.11.11.11.11.11.11.11.11.11.11.11.11.
100 MAD M: Throttle [%] 30 35 40 45 50 55 60 65 70 75	47 Voltage FVI 48.13 48.12 48.1 48.09 48.05 48.02 48 47.94 47.73 47.57	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95 24.89	1888.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0 1183.9	1311.9 12 MATT Output Power EVI 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4 862.2	3.605 AMPX 60A (5 Torque [N×m] 0.721 0.979 1.194 1.453 1.697 1.988 2.282 2.608 2.895 3.203	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466 2571	Thrust [st] 1824 2493 3075 3712 4391 5908 6730 7464 8246	69.94 12S Efficiency [16] 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51 72.91 73.93 72.34	5.4.4 MAA 106' Efficie Igfn/16.8 in 14.1 12 11.5 10 14.1 10 11.6 in 16.8
100 MAD M. Throttle [%] 30 35 40 45 50 65 70 75 80 85 90	47 Voltage FVI 48.13 48.12 48.14 48.09 48.05 48.02 48 47.94 47.73 47.03 46.96 46.56	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95 24.89 27.61 30.81 35.69	1888.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0 1183.9 1288.4 1446.8 1661.6	1311.9 12 MATT Output Powe [W] 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4 862.2 960.0 1046.7 1118.9	3.605 AMPX 60A (5 Torque [N×m] 0.721 0.979 1.194 1.453 1.697 1.988 2.282 2.608 2.895 3.203 3.419 3.631 3.792	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466 2571 2681 2753 2818	Thrust (st) 1824 2493 3075 148 5908 6730 7464 8246 8918 9393 9753	69.94 12S Efficiency (%) 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51 73.93 72.34 67.35	5.4 MA 106 Efficient 16.3 11.0 9.7 7.8 8.8 2.2 6.9 5.9 6.5 5.9
100 MAD M. (hrottle [%] 30 35 40 45 50 66 67 77 80 85	47 Voltage TVI 48.13 48.13 48.19 48.09 48.05 48.02 48 47.73 47.57 47.03 46.96	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95 24.89 27.61 30.81	IRSB.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0 1183.9 1298.4 1446.8	1311.9 12 MATT Output Power W1 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4 862.2 960.0 1046.7	3.605 AMPX 60A (5 Torque [N+m] 0.721 0.979 1.194 1.453 1.697 1.988 2.282 2.608 2.895 3.203 3.419 3.631	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466 2571 2681 2753 2818 2864	Thrust (st). 1824 2493 3075 3712 4391 5148 5908 6730 7464 8246 8918	69.94 12S Efficiency [16] 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51 72.91 73.93 72.34	5.4 MA 106 Efficient 16.3 11.0 9.7 7.8 8.8 2.2 6.9 5.9 6.5 5.9
100 MAD M Throttle [%] 30 35 40 45 50 66 65 70 75 80 85 90	47 Voltage FVI 48.13 48.12 48.14 48.09 48.05 48.02 48 47.94 47.73 47.03 46.96 46.56	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95 24.89 27.61 30.81 35.69	1888.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0 1183.9 1288.4 1446.8 1661.6	1311.9 12 MATT Output Powe [W] 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4 862.2 960.0 1046.7 1118.9	3.605 AMPX 60A (5 Torque [N×m] 0.721 0.979 1.194 1.453 1.697 1.988 2.282 2.608 2.895 3.203 3.419 3.631 3.792	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466 2571 2681 2753 2818	Thrust (st) 1824 2493 3075 148 5908 6730 7464 8246 8918 9393 9753	69.94 12S Efficiency (%) 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51 73.93 72.34 67.35	5.4.4 MAA 106 Efficient 16.3 MAA 11.0
100 MAD M: Throttle [%] 30 35 40 45 50 65 70 75 80 85 90 95 100	47 Voltage (V) 48.13 48.12 48.1 48.05 48.02 48 47.94 47.73 47.57 47.67 46.56 46.28 45.94	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95 24.89 27.61 30.81 35.69 41.98	1888.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0 1183.9 1298.4 1446.8 1661.6 1943.0 2089.1	1311.9 12 MATT Output Power 191.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4 862.2 960.0 1046.7 1118.9 1168.7	3.605 AMPX 60A (5 Torque [N×m] 0.721 0.979 1.194 1.453 1.697 1.988 2.282 2.608 2.895 3.203 3.419 3.631 3.792 3.896	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466 2571 2681 2753 2818 2864 2915	Thrust (st) 1824 2493 3075 3712 4391 5148 5908 6730 7464 8246 8918 9993 9753 10058	69.94 12S Efficiency (%) 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51 72.91 73.93 72.34 67.35 60.14	5.4.4 MAA 1066 Efficient 16.1 14.1 1211.1 10 9.7.7 8.8 8.2.2 6.9.9 6.5.5 5.0 MAA
100 MAD M. Throttle [%] 30 35 40 45 50 65 70 75 80 85 90 95 100 MAD M.	Voltage Voltage VI 48.13 48.13 48.14 48.09 48.05 48.02 48 47.73 47.57 47.03 46.96 46.28 45.94 SC10 EEE 10 Voltage	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95 24.89 27.61 30.81 35.69 41.98 45.47 Current Current	1888.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0 1183.9 1298.4 1466.8 1661.6 1943.0 2089.1	1311.9 12 MATT Output Powe W1 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4 862.2 960.0 1046.7 1118.9 1168.7 1223.5	3.605 AMPX 60A (5 Torque [N+m] 0.721 0.979 1.194 1.453 1.697 1.988 2.282 2.608 2.895 3.203 3.419 3.631 3.792 3.896 4.007 AMPX 60A (5	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466 2571 2681 2753 2818 2864 2915	Thrust [st] 10158 Thrust [st] 1824 2493 3075 3712 4391 5148 5908 6730 7464 8246 8918 9393 9753 10058 10507	69.94 12S Efficiency 1761 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51 72.91 73.93 72.34 67.35 60.14 58.54 12S	5.4.4 MAA 106 Efficie Ist/W 16.8 11.1.1 10.7 10.7 10.7 10.7 10.7 10.7 10
100 MAD M: (hrottle [%] 30 35 40 45 50 65 70 75 80 85 90 95 100 MAD M:	47 Voltage [VI] 48.13 48.12 48.1 48.09 48.05 48.02 48 47.94 47.73 47.57 47.03 46.96 46.28 45.94 SCIO EEE 10 Voltage [VI]	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95 24.89 27.61 30.81 35.69 41.98 45.47 Current [A]	1888.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0 1183.9 1298.4 1466.8 1943.0 2089.1 ER PRO 32y Input Power [W]	1311.9 12 MATT Output Power PM 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4 862.2 960.0 1046.7 1118.9 1168.7 1223.5 Quiput Power PM (W)	3.605 AMPX 60A (5 Torque [N×m] 0.721 0.979 1.194 1.453 1.968 2.262 2.608 2.895 3.203 3.419 3.631 3.792 3.896 4.007 AMPX 60A (5	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466 2571 2681 2753 2818 2864 2915 -14S) HV	Thrust [st]. 10158 Thrust [st]. 1824 2493 3075 3712 5148 5908 6730 7464 8246 8918 9393 10058 10507	69.94 12S Efficiency [%] 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51 72.91 73.93 72.34 67.35 60.14 58.54 12S	5.4.4 MA 106 Efficie [gf/W] 16.8 14.1 12.2 11.5 15.0 16.8 8.2 2 16.8 8.2 2 16.9 9.7 8.5 5.9 5.2 2 5.0 MA 99 °C
100 MAD M. Throttle [%] 30 35 40 45 50 65 70 75 80 85 90 95 100 MAD M. Throttle [%] 30	Voltage (Va) 48.13 48.13 48.13 48.14 48.09 48.05 48.02 48 47.73 47.57 47.03 46.96 46.28 45.94 SC10 EEE 10 Voltage (V) 48.09	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95 24.89 27.61 30.81 35.69 41.98 45.47 Current [A] Current [A] 2.05	IRSB.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0 1183.9 1298.4 1446.8 1661.6 1943.0 2089.1 ER PRO 32y Input Power [W] 98.8	1311.9 12 MATT Output Powe IVI 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4 862.2 960.0 1046.7 1118.9 1168.7 1223.5 49.6 MATT Output Powe IVI 75.0	3.605 AMPX 60A (5 Torque [N+m] 0.721 0.791 1.194 1.453 1.697 1.988 2.282 2.608 2.895 3.203 3.419 3.631 3.792 3.896 4.007 AMPX 60A (5	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466 2571 2681 2753 2818 2864 2915 5-14S) HV	Thrust [st] 1824 2493 3075 3712 4391 55148 5908 6730 7464 8246 8918 9393 10058 10507	69.94 12S Efficiency 1761 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51 72.91 73.93 72.34 67.35 60.14 58.54 12S Efficiency [%]	5.4.4 MAA 106 Efficient Ist/M 16.8 B.2
MAD M. Throttle [%] 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 MAD M. Throttle (%) 30 35	47 Voltage [VI] 48.13 48.13 48.14 48.09 48.05 48.02 48 47.73 47.57 47.03 46.96 46.28 45.94 Voltage [VI] 48.09 48.09	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95 24.89 27.61 30.81 35.69 41.98 45.47 Current [A] 2.05 3.28	IRSB.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0 1183.9 1298.4 1446.8 1661.6 1943.0 2089.1 ER PRO 32y Input Power [W] 98.8 157.7	1311.9 12 MATT Output Powe [W] 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4 862.2 960.0 1046.7 1118.9 1168.7 1223.5 Output Powe [W] 75.0 125.9	3.605 AMPX 60A (5 Torque [N*m] 0.721 0.979 1.194 1.453 1.697 1.988 2.282 2.608 2.282 2.608 3.419 3.631 3.792 3.896 4.007 AMPX 60A (5 Torque [N*m] 0.581 0.827	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466 2571 2681 2753 2818 2864 2915 -14S) HV RPM 1234 1453	Thrust (st) 1824 2493 3075 3712 4391 5148 5908 6730 7464 8918 9393 9753 10058 10507 Thrust (st) 1585 2247	69.94 12S Efficiency [16] 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51 72.91 73.93 72.34 67.35 60.14 58.54 12S Efficiency [16] 76.2 79.99	5.4.4 MAA 106 Efficie Ist/W 16.8 11.1.1 10.7 10.7 10.7 10.7 10.7 10.7 10
100 MAD M. Throttle [%] 30 35 40 45 50 65 70 75 80 85 90 95 100 MAD M. Throttle [%] 30	47 Voltage [V] 48.13 48.12 48.14 48.09 48.05 48.02 48 47.94 47.57 47.03 46.96 46.56 46.28 45.94 SC10 EEE 10 Voltage [V] 48.09 48.09	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95 24.89 27.61 30.81 35.69 41.98 45.47 Current [A] Current [A] 2.05	IRSS.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0 1183.9 1298.4 1446.8 1661.6 1943.0 2089.1 ER PRO 32x Input Power [W] 98.8 157.7 208.9	1311.9 12 MATT Output Powe [W] 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4 862.2 960.0 1046.7 1118.9 1168.7 1223.5 9.6 MATT Output Powe [W] 75.0 125.9 172.8	3.605 AMPX 60A (5 Torque [N+m] 0.721 0.791 1.194 1.453 1.697 1.988 2.282 2.608 2.895 3.203 3.419 3.631 3.792 3.896 4.007 AMPX 60A (5	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466 2571 2681 2753 2818 2864 2915 5-14S) HV	Thrust [st] 1824 2493 3075 3712 4391 55148 5908 6730 7464 8246 8918 9393 10058 10507	69.94 12S Efficiency [%] 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51 72.91 73.93 72.34 67.35 60.14 58.54 12S Efficiency [%] 76.2 79.99 82.96	5.4.4 MAA 106 Efficie Ist/W 16.8 11.1.1 10.7 10.7 10.7 10.7 10.7 10.7 10
MAD M. Throttle [%] 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 MAD M. Throttle (%) 30 35	47 Voltage [VI] 48.13 48.13 48.14 48.09 48.05 48.02 48 47.73 47.57 47.03 46.96 46.28 45.94 Voltage [VI] 48.09 48.09	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95 24.89 27.61 30.81 35.69 41.98 45.47 Current [A] 2.05 3.28	IRSB.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0 1183.9 1298.4 1446.8 1661.6 1943.0 2089.1 ER PRO 32y Input Power [W] 98.8 157.7	1311.9 12 MATT Output Powe [W] 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4 862.2 960.0 1046.7 1118.9 1168.7 1223.5 Output Powe [W] 75.0 125.9	3.605 AMPX 60A (5 Torque [N*m] 0.721 0.979 1.194 1.453 1.697 1.988 2.282 2.608 2.282 2.608 3.419 3.631 3.792 3.896 4.007 AMPX 60A (5 Torque [N*m] 0.581 0.827	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466 2571 2681 2753 2818 2864 2915 -14S) HV RPM 1234 1453	Thrust (st) 1824 2493 3075 3712 4391 5148 5908 6730 7464 8918 9393 9753 10058 10507 Thrust (st) 1585 2247	69.94 12S Efficiency [16] 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51 72.91 73.93 72.34 67.35 60.14 58.54 12S Efficiency [16] 76.2 79.99	5.4.4 MAA 106 Efficie Interest Interest
100 MAD M. Throttle [%] 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 MAD M. Throttle [%] 30 35 40	47 Voltage [V] 48.13 48.12 48.14 48.09 48.05 48.02 48 47.94 47.57 47.03 46.96 46.56 46.28 45.94 SC10 EEE 10 Voltage [V] 48.09 48.09	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95 24.89 27.61 30.81 35.69 41.98 45.47 Current [A] 2.05 3.28 4.35	IRSS.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0 1183.9 1298.4 1446.8 1661.6 1943.0 2089.1 ER PRO 32x Input Power [W] 98.8 157.7 208.9	1311.9 12 MATT Output Powe [W] 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4 862.2 960.0 1046.7 1118.9 1168.7 1223.5 9.6 MATT Output Powe [W] 75.0 125.9 172.8	3.605 AMPX 60A (5 Torque [N*m] 0.721 0.979 1.194 1.453 1.697 1.988 2.282 2.608 2.895 3.203 3.419 3.631 3.792 3.896 4.007 AMPX 60A (5 Torque [N*m] 0.581 0.827 1.021	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466 2571 2681 2753 2818 2864 2915 -14S) HV RPM 1234 1453 1616	Thrust (st). 1824 2493 3075 3712 4391 5148 5908 6730 7464 8918 9393 9753 10058 10507	69.94 12S Efficiency [%] 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51 72.91 73.93 72.34 67.35 60.14 58.54 12S Efficiency [%] 76.2 79.99 82.96	5.4.4 MAA 1066 Efficie Ist Ist
100 MAD M: Throttle [%] 30 35 40 45 50 65 70 75 80 85 90 95 100 MAD M: Throttle (%) 30 35 40 45	Voltage [V] 48.13 48.12 48.13 48.12 48.05 48.02 48 47.94 47.73 46.96 46.56 45.28 45.94 8C10 EEE 1C	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95 24.89 27.61 30.81 35.69 41.98 45.47 Current [A] 2.05 3.28 4.35 5.72	1888.6 ER CB2 32x Input Power [W]: 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0 1183.9 1298.4 1446.8 1661.6 1943.0 2089.1 ER PRO 32) Input Power [W]: 99.8 157.7 208.9 274.6	1311.9 12 MATT Output Powe (W) 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4 862.2 960.0 1046.7 1118.9 1168.7 1223.5 49.6 MATT Output Powe (W) 75.0 125.9 172.8 227.7	3.605 AMPX 60A (5 Torque [N×m] 0.721 0.979 1.194 1.453 1.697 1.988 2.282 2.608 2.895 3.203 3.419 3.631 3.792 3.896 4.007 AMPX 60A (5	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466 2571 2681 2753 2818 2864 2915 5-14S) HV RPM 1234 1453 1616 1781	Thrust (sf) 1824 2493 3075 148 5908 6730 7464 8246 8918 9393 9753 10058 10507 Thrust (sf) 1585 2247 2794 3331	69.94 12S Efficiency (%) 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51 72.91 73.93 72.34 67.35 60.14 58.54 12S Efficiency (%) 76.2 79.99 82.96 83.04	5.4.4 MAA 106 Efficie Ist/N 16.6 16.7
MAD M. Throttle [%] 30 35 40 45 50 66 65 70 75 80 85 90 95 100 MAD M. Throttle [%] 30 35 40 45 50	47 Voltage [V] 48.13 48.12 48.1 48.09 48.05 48.02 48 47.94 47.73 46.96 46.56 46.28 45.94 SC10 EEE 10 Voltage [V] 48.09 48.09 48.09 48.09	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95 24.89 27.61 30.81 35.69 41.98 45.47 Current [A] 2.05 3.28 4.35 5.72 7.33	1888.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0 1183.9 1298.4 1446.8 1661.6 1943.0 2089.1 ER PRO 32y Input Power [W] 98.8 157.7 208.9 274.6 351.2	1311.9 12 MATT Output Powe (N) 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4 862.2 960.0 1046.7 1118.9 1168.7 1223.5 49.6 MATT Output Powe (N) 75.0 125.9 172.8 227.7 294.8	3.605 AMPX 60A (5 Torque [N*m] 0.721 0.979 1.194 1.453 1.697 1.988 2.282 2.608 2.895 3.203 3.419 3.631 3.792 3.896 4.007 AMPX 60A (5	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466 2571 2681 2753 2818 2864 2915 -14S) HV RPM 1234 1453 1616 1781 1938	Thrust (st) 1824 2493 3075 3712 4391 5148 5908 6730 7464 8246 8918 9393 9753 10058 10507 Thrust (st) 1585 2247 2794 3331 3919	69.94 12S Efficiency [%] 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51 72.91 73.93 72.34 67.35 60.14 58.54 12S Efficiency [%] 76.2 79.99 82.96 83.04 84.03	5.4.4 MAA 106 Efficie [sf/N 16.3 mag 16.4 mag 1
MAD M: Throttle [%] 30 35 40 45 50 65 70 75 80 85 90 95 100 MAD M: Throttle [%] 30 35 40 45 50 55	47 Voltage [VI] 48.13 48.12 48.11 48.09 48.02 48 47.94 47.73 47.73 47.03 46.96 46.28 45.94 Voltage [VI] 48.09 48.09 48.09 48.09 48.09 48.09 48.09 48.09 48.09 48.09 48.09 48.09 48.09 48.09 48.09 48.09 47.98 47.98	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95 24.89 27.61 30.81 35.69 41.98 45.47 Current [A] 2.05 3.28 4.35 5.72 7.33 9.48	1888.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0 1183.9 1298.4 1446.8 1661.6 1943.0 2089.1 ER PRO 32y Input Power [W] 98.8 157.7 208.9 274.6 351.2 453.5	1311.9 12 MATT Output Powe PVI 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4 862.2 960.0 1046.7 1118.9 1168.7 1223.5 (9.6 MATT Output Powe PVI 75.0 125.9 172.8 227.7 294.8 379.2	3.605 AMPX 60A (5 Torque [N×m] 0.721 0.979 1.194 1.453 1.697 1.988 2.282 2.608 2.895 3.203 3.419 3.631 3.792 3.896 4.007 AMPX 60A (5	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466 2571 2681 2753 2818 2864 2915 -14S) HV RPM 1234 1453 1616 1781 1938 2105	Thrust Est) 1824 2493 3075 3712 4391 5148 5908 6730 7464 8246 8918 10507 17607	69.94 12S Efficiency [%] 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51 72.91 73.93 72.34 67.35 60.14 58.54 12S Efficiency [%] 76.2 79.99 82.96 83.04 84.03 83.66	5.4.4 MAA 106 Efficie Ist/W 16.8 B.8 B.2 B.7 P.0 P.5
MAD M. Throttle [%] 30 35 40 45 50 65 70 75 80 85 90 95 100 MAD M. Throttle [%] 30 35 40 45 50 55 60 65 65 60	Voltage IVI 48.13 48.13 48.13 48.14 48.09 48.05 48.02 48 47.73 47.57 47.03 45.96 46.56 46.28 45.94 SC10 EEE 10 Voltage IVI 48.09 48.05 48.02 47.98 47.98 47.98 47.98 47.98	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95 24.89 27.61 30.81 35.69 41.98 45.47 Current [A] 2.05 3.28 4.35 5.72 7.33 9.48 11.93	IRSB.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0 1183.9 1298.4 1446.8 1661.6 1943.0 2089.1 ER PRO 32y Input Power [W] 98.8 157.7 208.9 274.6 351.2 453.5 569.6	1311.9 12 MATT Output Power W1 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4 862.2 960.0 1046.7 1118.9 1168.7 1223.5 49.6 MATT Output Power W1 75.0 125.9 172.8 227.7 244.8 379.2 480.7	3.605 AMPX 60A (5 Torque [N=m] 0.721 0.791 1.194 1.453 1.697 1.988 2.282 2.608 2.895 3.203 3.419 3.631 3.792 3.896 4.007 AMPX 60A (5 Torque [N=m] 0.581 0.827 1.021 1.221 1.453 1.720 2.031	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466 2571 2681 2753 2818 2864 2915 -14S) HV RPM 1234 1453 1616 1781 1938 2105 2260	Thrust 651 10158 1824 2493 3075 3712 1482 5908 6730 7464 8246 8918 9393 10058 10507 Thrust 607 1588 2247 2794 3331 3919 4654 5558	69.94 12S Efficiency 1761 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51 72.91 73.93 72.34 67.35 60.14 58.54 12S Efficiency [%] 76.2 79.99 82.96 83.04 84.03 83.66 84.41	5.4.4 MAA 106 Efficie Ist/W 16.8 11.1.1 10.7 10.7 10.7 10.7 10.7 10.7 10
MAD M. Throttle [16] 30 35 40 45 50 55 60 65 90 95 100 MAD M. Throttle (16) 30 35 40 45 50 55 60 65 66 65 66 66 66 6	Voltage [VI] 48.13 48.13 48.12 48.05 48.02 48 47.73 47.57 47.03 46.96 46.28 45.94 SC10 EEE 10 Voltage [VI] 48.09 48.05 48.02 47.93 47.93 47.93 47.93 47.93 47.93 47.93 47.93	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95 24.89 27.61 30.81 35.69 41.98 45.47 Current [A] 2.05 3.28 4.35 5.72 7.33 9.48 11.93 14.92	IRSB.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0 1183.9 1298.4 1446.8 1661.6 1943.0 2089.1 ER PRO 32y Input Power [W] 98.8 157.7 208.9 274.6 315.2 453.5 569.6 711.1	1311.9 12 MATT Output Powe [W] 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4 862.2 960.0 1046.7 1118.9 1168.7 1223.5 49.6 MATT Output Powe [W] 75.0 125.9 172.8 227.7 294.8 379.2 480.7 583.3	3.605 AMPX 60A (5 Torque [N*m] 0.721 0.979 1.194 1.453 1.697 1.988 2.282 2.608 2.895 3.203 3.419 3.631 3.792 3.896 4.007 AMPX 60A (5 Torque [N*m] 0.581 0.827 1.021 1.453 1.720 2.031 2.311	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466 2571 2681 2753 2818 2864 2915 -14S) HV RPM 1234 1453 1616 1781 1938 2105 2260 2410	Thrust (st) 1824 2493 3075 148 5508 6730 1585 2247 2794 3331 3558 6314	69.94 12S Efficiency [16] 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51 72.91 73.93 72.34 67.35 60.14 58.54 12S Efficiency [16] 76.2 79.99 82.96 83.04 84.03 83.66 84.41 82.06	5.4.4 MAA 1066 Efficie Island Isla
MAD M. Throttle [10] 30 35 40 45 50 55 60 65 70 MAD M. Throttle [20] 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 MAD M.	47 Voltage IVI 48.13 48.12 48.13 48.09 48.05 48.02 48 47.94 47.75 47.03 46.96 45.96 45.94 SC10 EEE 1C Voltage IVI 48.09 48.02 47.93 47.94 47.75 47.03	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95 24.89 27.61 30.81 35.69 41.98 45.47 OKV FLUX Current [A] 2.05 3.28 4.35 5.72 7.33 9.48 11.93 14.92 18.16	IRSB.6 ER CB2 32x Input Power [W]: 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0 1183.9 1298.4 1446.8 1661.6 1943.0 2089.1 ER PRO 32x Input Power [W]: 98.8 157.7 208.9 274.6 3512.2 453.5 569.6 711.1 864.5	1311.9 12 MATT Output Powe [W] 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4 862.2 960.0 1046.7 1118.9 1168.7 1223.5 9.6 MATT Output Powe [W] 75.0 125.9 172.8 227.7 294.8 379.2 480.7 583.3 696.7	3.605 AMPX 60A (5 Torque [N+m] 0.721 0.979 1.194 1.453 1.697 1.988 2.282 2.608 2.895 3.203 3.419 3.631 3.792 3.896 4.007 AMPX 60A (5 Torque [N+m] 0.581 0.827 1.021 1.221 1.453 1.720 2.031 2.311 2.615	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466 2571 2681 2753 2818 2864 2915 -14S) HV RPM 1234 1453 1616 1781 1938 2105 2260 2410 2544	Thrust (st). 1824 2493 3075 1824 4391 5148 5908 6730 7464 8918 9393 9753 10058 10507 Thrust (st). 1585 2247 2794 3331 3919 4654 5558 6314 7112	69.94 12S Efficiency (%) 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51 72.91 73.93 72.34 67.35 60.14 58.54 12S Efficiency (%) 76.2 79.99 82.96 83.04 84.03 83.66 84.41 82.06 80.59	5.4.4 MAA 106 Efficie Ist/W 16.8 11.1.1 10.7 10.7 10.7 10.7 10.7 10.7 10
MAD M: Throttle [%] 30 35 40 45 50 65 70 88 85 90 95 100 MAD M: Throttle [%] 30 35 40 45 50 66 67 75 80 85 90 95 100	Voltage [V] 48.13 48.13 48.12 48.14 48.09 48.05 48.02 48.47 47.03 46.96 46.56 46.28 45.94 45.94 45.94 47.75 47.03 46.96 47.94 47.75 47.03 46.96 47.94 47.75 47.03	40.18 Current (A) 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95 24.89 27.61 30.81 35.69 41.98 45.47 OKV FLUX Current (A) 2.05 3.28 4.35 5.72 7.33 9.48 11.93 14.92 18.16 20.99	IRSB.6 ER CB2 32x Input Power [W]: 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0 1183.9 1298.4 1446.8 1661.6 1943.0 2089.1 ER PRO 32) Input Power [W]: 98.8 157.7 208.9 274.6 351.2 453.5 569.6 711.1 864.5 996.0	1311.9 12 MATT Output Powe (W) 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4 862.2 960.0 1046.7 1118.9 1168.7 1223.5 9.6 MATT Output Powe (W) 75.0 125.9 172.8 227.7 294.8 379.2 480.7 583.3 696.7 810.3	3.605 AMPX 60A (5 Torque [N×m] 0.721 0.979 1.194 1.453 1.697 1.988 2.282 2.608 2.895 3.203 3.419 3.631 3.792 3.896 4.007 AMPX 60A (5 Torque [N×m] 0.581 0.827 1.021 1.221 1.453 1.720 2.031 2.311 2.615 2.895	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466 2571 2681 2753 2818 2864 2915 5-14S) HV RPM 1234 1453 1616 1781 1938 2105 2260 2410 2544 2673	Thrust (st)	69.94 12S Efficiency (%) 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51 72.91 73.93 72.34 67.35 60.14 58.54 12S Efficiency (%) 76.2 79.99 82.96 83.04 84.03 83.66 84.41 82.06 80.59 81.34	5.4.4 MA 106 Efficie Info
MAD M: **Trottle [%] 30 35 40 45 50 65 70 75 80 85 90 95 100 MAD M: **Throttle (%) 30 35 40 45 50 66 67 75 80 85 80 85 80 85 80 85 80 85 80 85 80 85 80 85 80 86 86 87 88 88 88 88 88 88 88	Voltage [V] 48.13 48.13 48.13 48.13 48.14 48.09 48.05 48.02 48 47.94 47.73 46.96 46.56 46.28 45.94 48.01 Voltage [V] 48.09 48.09 48.09 48.09 48.09 48.09 48.05 48.02 47.98 47.93 47.93 47.93 47.94 47.75 47.65 47.65 47.65 47.65 47.65	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95 24.89 27.61 30.81 35.69 41.98 45.47 Current [A] 2.05 3.28 4.35 5.72 7.33 9.48 11.93 14.92 18.16 20.99 25.04	IRSB.6 ER CB2 32x Input Power [W]: 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0 1183.9 1298.4 1446.8 1661.6 1943.0 2089.1 ER PRO 32) Input Power [W]: 98.8 157.7 208.9 274.6 351.2 453.5 569.6 711.1 864.5 996.0 1184.5	1311.9 12 MATT Output Powe (VI) 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4 862.2 960.0 1046.7 1118.9 1168.7 1223.5 49.6 MATT Output Powe (VI) 75.0 125.9 172.8 227.7 294.8 379.2 480.7 583.3 696.7 810.3 914.7	3.605 AMPX 60A (5 Torque [N×m] 0.721 0.979 1.194 1.453 1.697 1.988 2.282 2.608 2.895 3.203 3.419 3.631 3.792 3.896 4.007 AMPX 60A (5 Torque [N×m] 0.581 0.827 1.021 1.221 1.453 1.720 2.031 2.311 2.615 2.895 3.130	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466 2571 2681 2753 2818 2864 2915 5-14S) HV RPM 1234 1453 1616 1781 1938 2105 2260 2410 2544 2673 2791	Thrust (st)	69.94 12S Efficiency (%) 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51 72.91 73.93 72.34 67.35 60.14 58.54 12S Efficiency (%) 76.2 79.99 82.96 83.04 84.03 83.66 84.41 82.06 80.59 81.34 77.22	5.4.4 MA 106 Efficie Istru 16.6 14.1.1 15.1 16.2 16.2 16.2 16.2 16.2 16.2 16.2 16
### AD M: ### AD M:	47 Voltage [V] 48.13 48.12 48.11 48.09 48.05 48.02 48 47.94 47.73 46.96 46.56 46.28 45.94 SC10 EEE 10 Voltage [V] 48.09 48.05 48.02 47.99 48.05 48.02 47.99 47.03 47.93 47.94 47.75 47.65 47.45 47.04	40.18 Current [A] 2.26 3.69 5.04 6.73 8.55 11.02 14.05 17.03 19.95 24.89 27.61 30.81 35.69 41.98 45.47 Current [A] 2.05 3.28 4.35 5.72 7.33 9.48 11.93 14.92 18.16 20.99 25.04 29.31	1888.6 ER CB2 32x Input Power [W] 108.9 177.4 242.5 323.6 410.9 529.4 674.4 816.5 952.0 1183.9 1298.4 1446.8 1661.6 1943.0 2089.1 ER PRO 32y Input Power [W] 98.8 157.7 208.9 274.6 351.2 453.5 569.6 711.1 864.5 996.0 1184.5 1378.7	1311.9 12 MATT Output Powe (N) 91.7 146.7 198.8 265.1 336.2 426.7 526.5 637.3 747.4 862.2 960.0 1046.7 1118.9 1168.7 1223.5 49.6 MATT Output Powe (N) 75.0 125.9 172.8 227.7 294.8 379.2 480.7 581.3 964.7 1029.7	3.605 AMPX 60A (5 Torque [N*m] 0.721 0.979 1.194 1.453 1.697 1.988 2.282 2.608 2.895 3.203 3.419 3.631 3.792 3.896 4.007 AMPX 60A (5 Torque [N*m] 0.581 0.827 1.021 1.221 1.453 1.720 2.031 2.311 2.615 2.895 3.130 3.408	3475 -14S) HV RPM 1215 1430 1590 1742 1892 2049 2203 2333 2466 2571 2681 2753 2818 2864 2915 -14S) HV RPM 1234 1453 1616 1781 1938 2105 2260 2410 2544 2673 2791 2885	Thrust (st). 1824 2493 3075 3771 4391 5148 5908 6730 7464 8246 8918 9393 9753 10058 10507	69.94 12S Efficiency [%] 84.57 82.9 82.06 82 81.9 80.61 78.08 78.07 78.51 72.91 73.93 72.34 67.35 60.14 58.54 12S Efficiency [%] 76.2 79.99 82.96 83.04 84.03 83.66 84.41 82.06 80.59 81.34 77.22 74.66	5.4.4 MA 106 Efficie Info

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

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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