Guangdong, China

GS

6-8

T/T

100

Negotiable

FPV Shadow XC3000 T2 V1.0 Brushless DC Motor First - Person View

Shadow XC3000 650KV 920KV 1200KV

Basic Information

- Place of Origin:
- Brand Name:
- Model Number:
- Price:
- Delivery Time:
- Payment Terms:
- Supply Ability:



Product Specification

• Motor Model:

• Shaft Diameter:

• Rotor Balance:

• Motor Balance:

• Cable Length:

- Motor Size:
- Shadow XC3000 T2 V1.0 D:35.7 X40.55 Mm • Propeller Mounting Holes: M5 Nut IN:5 Mm ≤5mg D:19 M3x4 80 Mm 18# Awg(Black)silicone 12N14P

First-Person View Brushless DC Motor, XC3000 T2 V1.0 Brushless DC Motor

- Motor Number Of Slots:
- Highlight:



More Images







FPV Shadow XC3000 T2 V1.0 Brushless DC Motor First-Person View

XC3000 shadow T2 motor is best choose for MacroQuad-7/8/9/10" quad: 1.Weighs 70g with 2pcs durable bearing; 2.Maximum thrust can reach 2.8kg.

High performance: The XC3000 T2 V1.0 is designed to deliver powerful power and speed, which is essential for competitive FPV racing and freestyle flying. Its brushless design ensures smooth and consistent power delivery, allowing for flexible maneuvers and fast response times.

Freestyle flight: The XC3000 T2 V1.0's precise control and durability make it suitable for performing advanced aerial stunts and maneuvers.

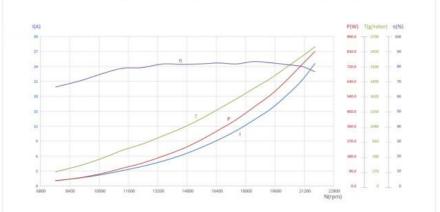


MAD Shadow XC3000 T2 EEE 650KV HQ 7x4.5x3 Carbon Fiber BLHeli-32 50A 85-12S 4IN1 ESC

125 MAX 97°C

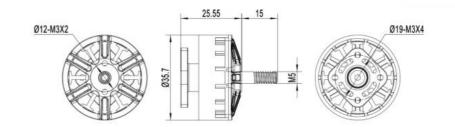
Analytical Graph of Motor Operation

I – Current, P – Input Power, n – 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 throttie.



Motor Data			
Motor Model	MAD Shadow XC3000 T2 EEE V1.0	Number of pole pairs	7
Stator	TAIWAN / Anticorrosive	Varnished wire Degree	180°C
Motor Size	D:35.7 × 40.55 mm	Magnet Degree	150°C
Degree of Protection	Rain protection	Cable Length	380 mm 18# Awg(Black) silicone
Centrifugal Heat Dissipation	Independent	Rotor Balance	≤5 mg
Propeller Mounting Holes	M5 Nut	Motor Balance	≤10 mg
Shaft Diameter	IN: 5 mm	Motor Mounting Holes	D:19 M3×4
Bearing	NSK 684ZZ *2	Disruptive test	500 V

Specifications		Specifications								
RPM/V	650 KV	Nominal Voltage	8-125 lipo battery							
No Load Current	0.6A/10V	Internal resistance	28.7mΩ							
Motor Weight	70 g	Product Boxed Weight	490 g (110 x 110 x 95 mm)							
Maximum Current	28.2 A	Maximum Power	1330W							
Maximum thrust	2.8 kg	Maximum Torque	0.4 Nm							
Recommended ESC	BLHell-32 50A 8S-12S 4IN1 ESC	Recommended Propellers	HQ 7x4.5x3, HQ 8x4.5x3, HQ 9x5x3							
UAV take-off weight	85-7"/ 3.2kgQuadcopter 4.8kgHexacopter 6.4kgOctocopter	Single rotor take-off weight	700g ~ 900g							



85 MAX 113°C

MAD SH	adow XC30	00 T2 EEE 65	OKV HQ	8x4.5x3 Carbo	n Fiber	BLHeli-32 50	A 85-125 4IN	85	MAX 92°C
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N×m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	32.08	1,15	36.8	25.8	0.046	5374	265	70.75	7.3
35	32.06	1.66	53.2	38.1	0.060	6108	353	72.31	6.7
40	32.05	2.24	71.7	54.0	0.075	6843	449	75.7	6.3
45	32.02	3.1	99.3	76.9	0.096	7672	577	77.83	5.8
50	31.99	4.2	134,4	105.9	0.118	8538	704	80.7	5,4
55	31.96	5.55	177.5	141.1	0.145	9298	869	82.09	5,1
60	31.92	6.97	222.4	176.5	0.168	10025	1006	81.82	4.7
65	31.88	8.55	272.4	214.5	0.191	10710	1150	81.06	4.3
70	31.83	10.33	328.8	257.3	0.217	11308	1301	80.42	4.1
75	31.77	12.39	393.8	305.1	0.244	11922	1477	79.48	3.8
80	31.71	14.68	465.4	355.5	0.271	12505	1632	78.15	3.6
85	31.65	17.21	544.5	406.0	0.297	13040	1804	76.13	3,4
90	31.58	19.67	621.0	455.0	0.320	13567	1915	74.64	3.1
95	31.49	22.62	712,3	506.3	0.345	14009	2065	72.21	2.9
100	31.42	25.47	800.5	551.9	0.365	14446	2174	69.87	2.8

MAD Shadow XC3000 T2 EEE 650KV	HO 9x5x3 Carbon Fiber	BLHeli-32 50A 85-125 4IN1 ESC

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque (N×m)	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	31.77	1,45	46.0	34.0	0.064	5105	349	76.18	7.8
35	31.76	2.12	67.5	51.2	0.084	5801	466	78.24	7.1
40	31.73	3	95.2	72.8	0.107	6494	603	78,42	6.5
45	31.7	4.15	131.6	102.6	0.135	7234	766	80.01	6.0
50	31.66	5.63	178.2	137.6	0.165	7973	931	79.1	5.4
55	31.61	7.47	236.1	180.2	0.199	8653	1127	77.96	4.9
60	31.57	9.31	294.0	221.6	0.228	9293	1291	76.84	4.5
65	31.51	11.51	362.6	267.0	0.259	9858	1467	74.86	4,1
70	31.45	13.82	434.6	313.0	0.288	10370	1628	73.1	3.8
75	31.38	16.33	512.5	356.1	0.314	10820	1786	70.36	3.5
80	31.32	18.68	585.0	398.3	0.340	11202	1914	68.8	3.3
85	31.25	21.58	674.2	437.6	0.362	11528	2040	65.42	3.1
90	31.17	24.31	757.6	470.9	0.380	11820	2138	62.5	2.8
95	31.09	27.14	843.8	495.8	0.393	12039	2214	58.9	2.6
100	30.99	30.54	946.4	528.2	0.411	12273	2314	57.6	2.5

Throttie [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N×m]	RPM	Thrust [gf]	Efficiency [%]	Efficier Lgf/W
30	32.06	1.34	43.1	31.1	0.057	5229	358	72.82	8,4
35	32.04	1.94	62.2	46.4	0.075	5944	465	75.24	7.5
40	32.03	2.72	87.0	65.7	0.094	6657	586	75.92	6.8
45	32	3.79	121.4	94.3	0.121	7437	756	78.7	6.3
50	31.96	5.2	166.1	128.8	0.150	8201	918	80.09	5,7
55	31.91	6.92	220.8	170.6	0.183	8919	1103	79.62	5.2
60	31.87	8.79	280.1	214.1	0.214	9539	1266	78.68	4.7
65	31.8	11.07	352.2	262.9	0.249	10091	1452	76.63	4,2
70	31.74	13.38	424,7	310.5	0.279	10614	1605	74.93	3.9
75	31.67	15.88	502.9	355.6	0.307	11067	1734	72.28	3.5
80	31.61	18.31	578.6	400.1	0.333	11475	1860	70.51	3.3
85	31.52	21.41	674.8	448.4	0.364	11768	2005	67.57	3.0
90	31.45	24.29	763.9	481.8	0.382	12033	2089	63.97	2.8
		27.14	851.5	505.9	0.395	12235	2156	60.12	2.6
95	31.37	27114							
95 100 MAD Sha	31.27 adow XC3000	30.72 0 T2 EEE 650K	960.9	539,1 4.5x3 Carbon Fil	751	12452 li-32 50A 85-1	1000	120	97 (
95 100	31.27	30.72	960.9 V HQ 7x 4						MA) 97°C
95 100 MAD Sha Throttle	31.27 adow XC3000 Voltage	30.72 D T2 EEE 650K Current	960.9 V HQ 7x Input Power	4.5x3 Carbon Fil	ber BLHe Torque	li-32 50A 85-1	12S 4IN1 ESC Thrust	12S Efficiency	MA 97°0 Efficie
95 100 MAD Sha Throttle [%]	31.27 adow XC3000 Voltage IVI	30.72 D T2 EEE 650K Current [A]	960.9 V HQ 7x Input Power (W]	4.5x3 Carbon Fil Output Power [W]	ber BLHe Torque [N×m]	1i-32 50A 85-1 RPM	125 4IN1 ESC Thrust [gf]	12S Efficiency [%]	MAJ 97°C Efficier Igf/W
95 100 MAD Sha Throttle (%) 30	31.27 adow XC3000 voltage [V] 44.28	30.72 D T2 EEE 650K Current [A] 1.08	960.9 V HQ 7x Input Power (W) 47.8	4.5x3 Carbon Fil Output Power [W] 31.1	ber BLHe Torque [N×m] 0.039	Ii-32 50A 85-1 RPM 7623	125 4IN1 ESC Thrust [gf] 256	12S Efficiency [%] 66.34	MAJ 97°C Efficien Egf/W 5.5
95 100 MAD Sha Throttle (%) 30 35	31.27 adow XC3000 Voltage IVI 44.28 44.26	30.72 D T2 EEE 650K Current [A] 1.08 1.64	960.9 V HQ 7x Input Power (W) 47.8 72.6	4.5x3 Carbon Fil Output Power [W] 31.1 50.8	Der BLHe Torque (N×m) 0.039 0.054	II-32 50A 85-1 RPM 7623 9011	125 4IN1 ESC Thrust (37) 256 374	12S Efficiency [%] 66.34 70.67	MAJ 97°C Efficien Egf/W 5.5 5.2
95 100 MAD Sha Throttle [%] 30 35 40	31.27 adow XC3000 Voltage IVI 44.28 44.26 44.25	30.72 0 T2 EEE 650K Current [A] 1.08 1.64 2.37	960.9 V HQ 7x Input Power (W) 47.8 72.6 104.8	4.5x3 Carbon Fil Output Power [W] 31.1 50.8 78.6	ber BLHe Torque [N×m] 0.039 0.054 0.073	II-32 50A 85- RPM 7623 9011 10292	125 4IN1 ESC Thrust Igf1 256 374 516	12S Efficiency (%) 66.34 70.67 75.76	MAX 97°C Efficien Igf/W 5.5 5.2 5.2
95 100 MAD Sha Throttle [%] 30 35 40 45	31.27 adow XC3000 Voltage IVI 44.28 44.26 44.25 44.23	30.72 0 T2 EEE 650K Current [A] 1.08 1.64 2.37 3.12	960.9 V HQ 7x Power (W) 47.8 72.6 104.8 138.1	4.5x3 Carbon Fil Output Power [V7] 31.1 50.8 78.6 108.2	ber BLHe Torque [N×m] 0.039 0.054 0.073 0.091	II-32 50A 85- RPM 7623 9011 10292 11312	125 4IN1 ESC Thrust [gf] 256 374 516 649	12S Efficiency [%] 66.34 70.67 75.76 78.96	MAX 97°C Efficien 1gf/W 5.5 5.2 5.0 4.7
95 100 MAD Sha Throttle [%] 30 35 40 45 50	31.27 adow XC3000 Voltage IVI 44.28 44.26 44.25 44.23 44.2	30.72 0 T2 EEE 650K Current [A] 1.08 1.64 2.37 3.12 3.9	960.9 V HQ 7x Power (W) 47.8 72.6 104.8 138.1 172.5	4.5x3 Carbon Fil Output Power [W] 31.1 50.8 78.6 108.2 135.9	ber BLHe Torque [N×m] 0.039 0.054 0.073 0.091 0.105	II-32 50A 85-1 RPM 7623 9011 10292 11312 12307	125 4IN1 ESC Thrust 1256 374 516 649 751	12S Efficiency [%] 66,34 70.67 75.76 78.96 79.28	MAX 97'C Efficien Igf/W 5.5 5.2 5.0 4.7 4.4
95 100 MAD Sha Throttle [%] 30 35 40 45 50 55	31.27 adow XC3000 Voltage IVI 44.28 44.25 44.25 44.23 44.2 44.2	30.72 0 T2 EEE 650K Current [A] 1.08 1.64 2.37 3.12 3.9 4.99	960.9 V HQ 7xv Power (W) 47.8 72.6 104.8 138.1 172.5 220.5	4.5x3 Carbon Fil Output Power [W] 31.1 50.8 78.6 108.2 135.9 179.2	ber BLHe Torque [N×m] 0.039 0.054 0.073 0.091 0.105 0.127	II-32 50A 85-1 RPM 7623 9011 10292 11312 12307 13472	125 4IN1 ESC Thrust [gf] 256 374 516 649 751 903	12S Efficiency [%] 66.34 70.67 75.76 78.96 79.28 81.74	MAX 97°C Efficien [gf/w 5.5 5.2 5.0 4.7 4.4 4.1
95 100 MAD Sha Throttle (%) 30 35 40 45 50 55 60	31.27 adow XC3000 Voltage IVI 44.28 44.26 44.25 44.23 44.2 44.2 44.2 44.17	30.72 0 T2 EEE 650K Current [A] 1.08 1.64 2.37 3.12 3.9 4.99 6.26	960.9 V HQ 7x Power (W) 47.8 72.6 104.8 138.1 172.5 220.5 276.3	4.5x3 Carbon Fil Output Power [VV] 31.1 55.8 78.6 108.2 135.9 179.2 224.4	BLHe Torque (N×m) 0.039 0.054 0.073 0.091 0.105 0.127 0.147	II-32 50A 85-1 RPM 7623 9011 10292 11312 12307 13472 14562	125 4IN1 ESC Thrust [gf] 256 374 516 649 751 903 1052	12S Efficiency [%] 66:34 70:67 75:76 78:96 79:28 81:74 81:54	MAX 97°C Efficient 5.5 5.2 5.0 4.7 4.4 4.1 3.8
95 100 MAD Sha Throttle (%) 30 35 40 45 50 55 60 65	31.27 adow XC3000 Voitage [V] 44.28 44.26 44.25 44.25 44.25 44.2 44.17 44.14	30.72 0 T2 EEE 650K Current [A] 1.08 1.64 2.37 3.12 3.9 4.99 6.26 7.64	960.9 V HQ 7x Power (W) 47.8 72.6 104.8 138.1 172.5 220.5 2276.3 337.0	4.5x3 Carbon Fil Output Power [VV] 31.1 50.8 78.6 108.2 135.9 179.2 224.4 274.8	ber BLHe Torque (N×m) 0.039 0.054 0.073 0.091 0.105 0.127 0.147 0.169	RPM 7623 9011 10292 11312 12307 13472 14562 15517	125 4IN1 ESC Thrust [gf] 256 374 516 649 751 903 1052 1206	12S Efficiency [%] 66:34 70.67 75:76 78:96 79:28 81:74 81:54 81:79	MAX 97'0 Efficien [gf/w 5.5 5.2 5.0 4.7 4.4 4.1 3.8 3.6
95 100 MAD Sha Throttle [%] 30 35 40 45 55 55 60 65 70	31.27 adow XC3000 Voltage [V] 44.28 44.25 44.25 44.23 44.23 44.17 44.14 44.11 44.06	30.72 D T2 EEE 650K Current [A] 1.08 1.64 2.37 3.12 3.9 4.99 6.26 7.64 9.26	960.9 V HQ 7x Power (W) 47.8 72.6 104.8 138.1 172.5 220.5 276.3 337.0 408.1	4.5x3 Carbon Fil Output Power [VV] 31.1 50.8 78.6 108.2 135.9 179.2 224.4 274.8 335.7	ber BLHe Torque (N+m) 0.039 0.054 0.073 0.091 0.105 0.127 0.147 0.169 0.194	II-32 50A 85- RPM 7623 9011 10292 11312 12307 13472 14562 15517 16508	125 4IN1 ESC Thrust 137 256 374 516 649 751 903 1052 1206 1388	12S Efficiency [%] 66.34 70.67 75.76 78.96 79.28 81.74 81.54 81.79 82.44	MAX 97*C Efficier [gf/M 5.5 5.2 5.0 4.7 4.4 4.1 3.8 3.6 3.4
95 100 MAD Sha (%) 30 35 40 45 55 55 60 65 70 75	31.27 adow XC3000 Voltage [V] 44.28 44.26 44.25 44.25 44.23 44.2 44.17 44.14 44.11 44.06 44.02	30.72 D T2 EEE 650K Current [A] 1.08 1.64 2.37 3.12 3.9 4.29 6.26 7.64 9.26 11.1	960.9 V HQ 7x Power (W) 47.8 72.6 104.8 138.1 172.5 220.5 276.3 337.0 408.1 488.8	4.5x3 Carbon Fil Output Power [VV] 31.1 50.8 78.6 108.2 135.9 179.2 224.4 274.8 335.7 399.5	ber BLHer Tarque (N×m) 0.039 0.054 0.073 0.091 0.102 0.127 0.147 0.169 0.194 0.218	Ii-32 50A 85- RPM 7623 9011 10292 11312 12307 13472 14562 15517 16508 17484	125 4IN1 ESC Thrust 18 th 256 374 516 649 751 903 1052 1206 1388 1572	12S Efficiency [%] 66.34 70.67 75.76 78.96 79.28 81.74 81.54 81.79 82.44 81.79	MAX 97*C Efficien [gf/M 5.5 5.2 5.0 4.7 4.4 4.1 3.8 3.6 3.4 3.2
95 100 MAD Sha (%) 30 35 40 40 45 50 55 60 65 70 75 80	31.27 adow XC3000 Voltage [V] 44.28 44.25 44.25 44.23 44.2 44.2 44.14 44.14 44.14 44.10 44.02 43.96	30.72 D T2 EEE 650K Current [A] 1.08 1.64 2.37 3.12 3.9 4.99 6.26 7.64 9.26 11.1 13.22	960.9 V HQ 7x Power (V) 47.8 72.6 104.8 138.1 172.5 220.5 276.3 337.0 408.1 488.8 581.0	4.5x3 Carbon Fil Output Power [V/] 31.1 50.8 78.6 108.2 135.9 179.2 224.4 274.8 335.7 399.5 473.8	ber BLHe Torque [N×m] 0.039 0.054 0.073 0.091 0.105 0.127 0.147 0.169 0.194 0.194 0.218 0.245	II-32 50A 85-1 RPM 7623 9011 10292 11312 12307 13472 14562 15517 16508 17484 18432	125 4IN1 ESC Thrust 187 256 374 516 649 751 903 1052 1206 1388 1572 1761	12S Efficiency [%] 66.34 70.67 75.76 78.96 79.28 81.74 81.54 81.79 82.44 81.79 82.44 81.79 83.38	MAX 97°C Efficier 1gf/M 5.5 5.2 5.0 4.7 4.4 4.1 3.8 3.6 3.4 3.4 3.2 3.1
95 100 MAD Sha Throttle (%) 30 35 40 45 50 55 55 60 45 55 60 65 70 75 80 85	31.27 voltage V1 44.28 44.25 44.25 44.25 44.23 44.23 44.2 44.17 44.14 44.11 44.10 44.02 43.96 43.89	30.72 0 T2 EEE 650K Current [A] 1.08 1.64 2.37 3.12 3.9 4.99 6.26 7.64 9.26 11.1 13.22 15.52	960.9 V HQ 7x: Input Power (W) 47.8 72.6 104.8 138.1 172.5 220.5 276.3 337.0 408.1 488.8 581.0 681.4	4.5x3 Carbon Fil Cutput Power [VV] 31.1 50.8 78.6 108.2 135.9 179.2 224.4 274.8 335.7 399.5 473.8 550.8	ber BLHe Torque [N×m] 0.039 0.054 0.073 0.091 0.105 0.127 0.147 0.169 0.194 0.218 0.245 0.271	II-32 50A 85-1 RPM 7623 9011 10292 11312 12307 13472 14562 15517 16508 17484 18432 19388	125 4IN1 ESC Thrust [27] 256 374 516 649 751 903 1052 1206 1388 1572 1761 1949	12S Efficiency (%) 66.34 70.67 75.76 78.96 79.28 81.74 81.54 81.54 81.59 82.44 81.79 82.44 81.79 83.38 82.53	MAJ 97'C Efficien 1gf/M 5.5 5.2 5.0 4.7 4.4 4.1 3.8 3.6 3.4 3.2 3.1 2.9

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N×m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency (gf/W)
30	47.88	1.26	60.6	39.3	0.045	8262	315	66.57	5.3
35	47.87	1.94	93.1	65.6	0.064	9786	464	72.05	5.1
40	47.85	2.71	129.7	96.7	0.084	10987	610	76.27	4.8
45	47.83	3.47	165.9	125.9	0.099	12086	720	77.36	4,4
50	47.8	4.49	214.5	169.5	0.122	13232	878	80.52	4.2
55	47.77	5.79	276.7	222.2	0.147	14453	1052	81.72	3.9
60	47.74	7,21	344.1	275.4	0.170	15502	1238	81.39	3.7
65	47.69	8.87	423.3	340.4	0.196	16617	1417	81.71	3.4
70	47.64	10.7	509.7	413.0	0.224	17645	1621	82.16	3.2
75	47.57	12.97	617.1	496.0	0.254	18634	1846	81.39	3.0
80	47.52	15.36	729.8	582.8	0.284	19616	2066	80.72	2,9
85	47,44	18.12	859.6	683.6	0.318	20549	2242	80.25	2.6
90	47.36	21.35	1011.2	775.1	0.347	21335	2439	77.24	2.4
95	47.26	24.42	1154.2	867.7	0.374	22149	2631	75.58	2.3
100	47.17	28.2	1330.1	966.2	0.406	22752	2840	72.9	2,1

The above data are the theoretical values when the input voltage is 48%, for reference only. In the case of room temperature of 25°C and no additional cooling device, the current over 28A is non-working zone.9-28A is short-term (about 10-30s), working zone, and below 9A is sustainable working zone. In actual use, please control the motor running time according to the working environment temperature and heat dissipation conditions.





Specifications			
RPM/V	920 KV	Nominal Voltage	6-8S lipo battery
No Load Current	1.0A/10V	Internal resistance	57mΩ
Motor Weight	70 g	Product Boxed Weight	490 g (110 x 110 x 95 mm)
Maximum Current	39.6 A	Maximum Power	1088W
Maximum thrust	2.5 kg	Maximum Torque	0.4 Nm
Recommended ESC	MAD BL-32 60A 4IN1 6S 64MHZ ESC BLHeli-32 50A 8S-12S 4IN1 ESC	Recommended Propellers	HQ 7x4.5x3, GF 8040x3
UAV take-off weight	85-7"/ 3.2kgQuadcopter 4.8kgHexacopter 6.4kgOctocopter	Single rotor take-off weight	700g ~ 900g

MAD Shadow XC3000 T2 EEE 920KV GF 7035x3 MAD BL-32 60A 4IN1 6S 64MHZ ESC

65 MAX 81°C

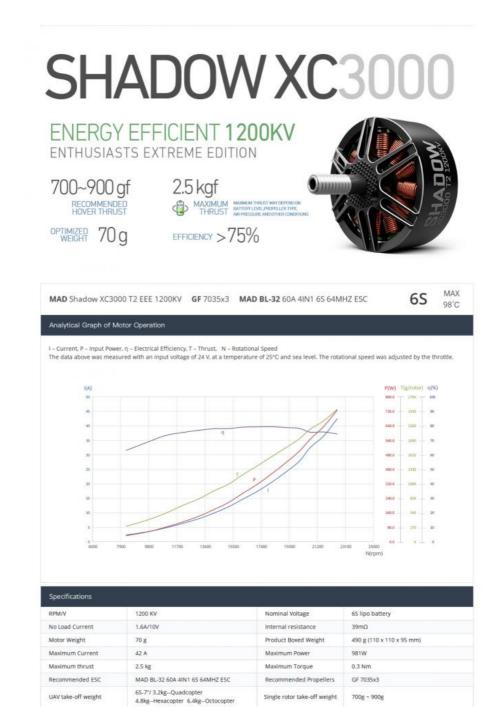
N(rpm)

Throttle [%]	Voltage [V]	Current [A]	input Power [W]	Output Power [W]	Torque [N×m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	23.89	1.13	27.1	15.1	0.023	6343	165	59.46	6.5
35	23.88	1.61	38.5	24.0	0.031	7359	231	65.06	6.3
40	23.89	2.33	55.7	37.3	0.042	8456	310	70.24	5.8
45	23.84	3.08	73.5	52.9	0.053	9540	407	74.98	5.8
50	23.83	3.93	93.7	69.8	0.064	10485	488	77.59	5.4
55	23.81	4.91	116.9	90.0	0.076	11292	590	79.95	5.2
60	23.8	6.01	143.0	112.8	0.089	12170	686	81.78	5.0
65	23.77	7.33	174.3	138.8	0.102	13019	801	82.41	4.8
70	23.74	8.7	206.5	168.2	0.116	13870	905	84.26	4.5
75	23.71	10.43	247.4	204.3	0.133	14722	1038	85.29	4.3
80	23.68	12.21	289.1	239.5	0.147	15559	1163	85.41	4.2
85	23.64	14.37	339.7	282.9	0.165	16409	1303	85.69	3.9
90	23.6	16.62	392.1	326.0	0.180	17248	1434	85.36	3.8
95	23.56	19.17	451.5	374.3	0.198	18060	1585	84.97	3.6
100	23.49	22.62	531.4	438.5	0.220	19053	1750	84.32	3.4

hrottle [%]	Voltage [V]	Current (A)	Input Power (W)	Output Power [W]	Torque [N×m]	RPM	Thrust [gf]	Efficiency [%]	Efficie (gfA
30	23.88	1.74	41.7	29.4	0.046	6100	286	73.77	7,2
35	23.86	2.48	59.3	42.3	0.058	6973	384	74.65	6.8
40	23.84	3.5	83.5	63.0	0.077	7856	511	78.74	6.4
45	23.82	4.94	117.6	90.9	0.098	8832	659	80.19	5.8
50	23.79	6.59	156.8	124.5	0.122	9715	825	82.35	5.5
55	23.76	8.31	197.6	158.4	0.144	10543	966	83.06	5.1
60	23.72	10.21	242.3	193.9	0.164	11312	1115	82.66	4.8
65	23.67	12.63	299.0	240.8	0.191	12059	1292	82.94	4.5
70	23.63	15.2	359.0	286.4	0.214	12787	1451	82.03	4,2
75	23.58	17.86	421.2	335.2	0.237	13523	1607	81.67	3.9
80	23.52	21.18	498.1	390.4	0.263	14194	1786	80.2	3.7
85	23.46	24.8	581.8	450.7	0.290	14827	1979	79.04	3.5
90	23.38	28.71	671.3	508.4	0.315	15393	2146	76.99	3.3
95	23.31	32.65	760.9	567.3	0.339	15978	2291	75.53	3.1
				10000	0.366	16566	2478	71.95	2.8
an a tha		38.33 0 T2 EEE 920K	an. C 2001 C 2004	634.3 4.5x3 Carbon Fil	ber MAD	BL-32 60A 4II	N1 65 64MHZ	65	MA 90`
									MA 90°
MAD Sh	adow XC3000 Voltage	0 T2 EEE 920K Current	V HQ 8x4 Input Power	4.5x3 Carbon Fil Output Power	ber MAD	BL-32 60A 41	N1 65 64MHZ Thrust	6S Efficiency	MA 90° Efficie [gf/v
MAD Sh hrottle (%)	adow XC3000 Voltage IVI	D T2 EEE 920K Current [A]	V HQ 8x4 Input Power [W]	4.5x3 Carbon Fil Output Power [W]	ber MAD Torque [N×m]	BL-32 60A 4II RPM	N1 65 64MHZ Thrust [gf]	Efficiency [%]	Efficie Lafv Efficie Lafv 7.3 6.6
MAD Sh hrottle (%) 30	adow XC3000 Voltage [V] 23.89	D T2 EEE 920K Current [A] 1.82	V HQ 8x Input Power [W] 43.4	4.5x3 Carbon Fil Output Power [W] 30.2	ber MAD Torque [N×m] 0.051	BL-32 60A 411 RPM 5682	N1 65 64MHZ Thrust [8 ⁴] 303	Efficiency [16] 73.04	MA 90°0 Efficie _[gf/V 7.3
MAD Sh Throttle (%) 30 35	Voltage [V] 23.89 23.87	0 T2 EEE 920K Current [A] 1.82 2.56	V HQ 8x Input Power (W) 43.4 61.2	4.5x3 Carbon Fil Output Power [W] 30.2 43.9	Der MAD Torque (N×m) 0.051 0.065	BL-32 60A 41 RPM 5682 6453	N1 65 64MHZ Thrust Isf) 303 386	Efficiency [%] 73.04 74.97	MA 90°0 Efficie [gf/v 7.3 6.6
MAD Sh Throttle (%) 30 35 40	adow XC3000 Voltage [V] 23.89 23.87 23.86	0 T2 EEE 920K Current [A] 1.82 2.56 3.47	V HQ 8x4 Input Power [W] 43.4 61.2 82.7	4.5x3 Carbon Fil Output Power [W] 30.2 43.9 61.7	Torque [N×m] 0.051 0.065 0.082	BL-32 60A 4II RPM 5682 6453 7207	N1 65 64MHZ Thrust [g1] 303 386 489	Efficiency [%] 73.04 74.97 77.88	MA 90°1 Efficie Igf/v 7.3 6.6 6.2 5.6
MAD Sh hrottle (%) 30 35 40 45	adow XC3000 Voltage [V] 23.89 23.87 23.86 23.81	0 T2 EEE 920K Current [A] 1.82 2.56 3.47 4.87	V HQ 8x Power (W) 43.4 61.2 82.7 115.9	4.5x3 Carbon Fil Output Power [W] 30.2 43.9 61.7 88.3	Torque [N×m] 0.051 0.065 0.082 0.105	BL-32 60A 41 RPM 5682 6453 7207 8048	N1 65 64MHZ Thrust (gf) 303 386 489 629	Efficiency [%] 73.04 74.97 77.88 79.16	MA 90 ¹ Efficie IgfA 7.3 6.6 6.2 5.6 5.2
MAD Sh (%) 30 35 40 45 50	adow XC3000 Voltage [V] 23.89 23.87 23.86 23.81 23.77	0 T2 EEE 920K Current [A] 1.82 2.56 3.47 4.87 6.65	V HQ 8x Power (W) 43.4 61.2 82.7 115.9 158.1	4.5x3 Carbon Fil Output Power [W] 30.2 43.9 61.7 88.3 122.7	Torque [N×m] 0.051 0.065 0.082 0.105 0.131	BL-32 60A 411 RPM 5682 6453 7207 8048 8928	N1 65 64MH2 Thrust [gf] 303 386 489 629 789	Efficiency [%] 73.04 74.97 77.88 79.16 80.39	MA 90°1 Efficie 15f/ 7,3 6,6 6,2 5,6 5,2 4,8
MAD Sh Throttle (%) 30 35 40 45 50 55	adow XC3000 Voltage [V] 23.89 23.87 23.86 23.81 23.77 23.71	0 T2 EEE 920K Current [A] 1.82 2.56 3.47 4.87 6.65 8.57	V HQ 8x Input Power (W) 43.4 61.2 82.7 115.9 158.1 203.3	4.5x3 Carbon Fil Output Power [W] 30.2 43.9 61.7 88.3 122.7 157.3	Torque [N×m] 0.051 0.065 0.082 0.105 0.131 0.155	BL-32 60A 411 RPM 5682 6453 7207 8048 8928 9675	N1 65 64MHZ Thrust [gf] 303 386 489 629 789 937	Efficiency [%] 73.04 74.97 77.88 79.16 80.39 79.84	MA 90°1 Efficie 1st/v 7.3 6.6 6.2 5.6 5.2 5.4 8 4.4
MAD Sh Throttle (%) 30 35 40 45 50 55 60	adow XC3000 Voltage [V] 23.89 23.87 23.86 23.81 23.77 23.71 23.66	0 T2 EEE 920K Current [A] 1.82 2.56 3.47 4.87 6.65 8.57 10.75	V HQ 8x Input Power [W] 43.4 61.2 82.7 115.9 158.1 203.3 254.3	4.5x3 Carbon Fil Output Power [W] 30.2 43.9 61.7 88.3 122.7 157.3 197.2	MAD Torque (N×m) 0.051 0.065 0.082 0.105 0.131 0.155 0.181	BL-32 60A 411 RPM 5682 6453 7207 8048 8928 9675 10423	N1 65 64MHZ Thrust [st] 303 386 489 629 789 937 1082	Efficiency [%] 73.04 74.97 77.88 79.16 80.39 79.84 79.89	MA 90 ¹⁰ Efficie [st/v 7,3 6,6 6,2 5,6 6,2 5,6 6,2 5,6 6,2 5,2 4,8 4,4 4,4
MAD Sh. (%) 30 35 40 45 50 55 60 65	adow XC3000 Voltage [V] 23.89 23.87 23.86 23.81 23.77 23.71 23.66 23.59	Current [A] 1.82 2.56 3.47 4.87 6.65 8.57 10.75 13.4	V HQ 8x Input Power (W) 43.4 61.2 82.7 115.9 158.1 203.3 254.3 316.0	4.5x3 Carbon Fil Output Power [W] 30.2 43.9 61.7 88.3 122.7 157.3 197.2 242.9	ber MAD Torque [N×m] 0.051 0.065 0.082 0.105 0.131 0.155 0.181 0.208	BL-32 60A 4II RPM 5682 6453 7207 8048 8928 9675 10423 11152	N1 65 64MHZ Thrust LgfJ 303 386 489 629 789 937 1082 1254	Efficiency [%] 73.04 74.97 77.88 79.16 80.39 79.84 79.89 78.95	MA 90°0 Efficie Igf/V 7.3 6.6
MAD Sh. (%) 30 35 40 45 50 55 60 65 70	adow XC3000 Voltage (V) 23.89 23.87 23.86 23.81 23.77 23.71 23.71 23.66 23.59 23.51	0 T2 EEE 920K Current [A] 1.82 2.56 3.47 4.87 6.65 8.57 10.75 13.4 16.2	V HQ 8x Input Power (W) 43.4 61.2 82.7 115.9 158.1 203.3 254.3 316.0 381.0	4.5x3 Carbon Fil Output Power (W) 30.2 43.9 61.7 88.3 122.7 157.3 197.2 242.9 292.3	ber MAD Torque (N×m) 0.051 0.065 0.082 0.105 0.131 0.155 0.181 0.208 0.237	BL-32 60A 4II RPM 5682 6453 7207 8048 8928 9675 10423 11152 11753	N1 65 64MHZ Thrust [81] 303 386 489 629 789 937 1082 1254 1416	Efficiency [%] 73.04 74.97 77.88 79.16 80.39 79.84 79.89 79.89 78.95 78.95	MA 90°0 Efficie Isf/v 7.3 6.6 6.2 5.6 5.2 4.8 4.4 4.1 3.8 3.5
MAD Sh Throttle (%) 30 35 40 45 50 55 60 65 70 75	adow XC3000 Voltage [V] 23.89 23.87 23.86 23.81 23.77 23.71 23.71 23.66 23.59 23.51 23.43	0 T2 EEE 920K Current [A] 1.82 2.56 3.47 4.87 6.65 8.57 10.75 13.4 16.2 19.37	 V HQ 8x Power (W) 43.4 61.2 82.7 115.9 158.1 203.4 316.0 381.0 453.7 	4.5x3 Carbon Fil Output Power [W] 30.2 43.9 61.7 88.3 122.7 157.3 197.2 242.9 292.3 342.5	Orgue MAD Torque (N×m) 0.051 0.065 0.062 0.082 0.105 0.135 0.131 0.131 0.131 0.131 0.208 0.203	BL-32 60A 4II RPM 5682 6453 7207 8048 8928 9675 10423 11152 11152 11753 12374	N1 65 64MHZ Thrust 181 303 386 489 629 789 937 1082 1254 1416 1578	Efficiency [%] 73.04 74.97 77.88 79.16 80.39 79.84 79.84 79.89 78.95 78.95 78.52 76.93	MA 90°0 Efficie Isf/V 7.3 6.6 6.2 5.6 5.2 4.8 4.4 4.4 4.1 3.8
MAD Sh Throttle (%) 30 35 40 45 50 55 60 65 70 75 80	adow XC3000 Voltage [V] 23.89 23.87 23.86 23.81 23.77 23.71 23.66 23.59 23.51 23.43 23.43 23.33	0 T2 EEE 920K Current [A] 1.82 2.56 3.47 4.87 6.65 8.57 10.75 13.4 16.2 19.37 22.96	 V HQ 8x Power (W) 43.4 61.2 82.7 115.9 158.1 203.4 316.0 381.0 453.7 535.7 	4.5x3 Carbon Fil Cutput Power [W] 30.2 43.9 61.7 88.3 122.7 157.3 197.2 242.9 292.3 342.5 398.6	And the second s	BL-32 60A 4II RPM 5682 6453 7207 8048 8928 9675 10423 11152 11753 12374 12928	N1 65 64MHZ Thrust [gf] 303 386 489 629 789 937 1082 1254 1416 1578 1758	Efficiency [%] 73.04 74.97 77.88 79.16 80.39 79.84 79.89 78.95 78.95 78.52 76.93 75.51	MA 90°0 Efficie Isfv 7.3 6.6 6.2 5.6 5.2 4.8 4.4 4.1 3.8 3.5 3.3
MAD Sh hrottle (%) 30 35 40 45 50 55 60 65 70 75 80 85	adow XC3000 Voltage [V] 23.89 23.87 23.86 23.81 23.77 23.71 23.66 23.59 23.51 23.43 23.43 23.33 23.23	0 T2 EEE 920K Current [A] 1.82 2.56 3.47 4.87 6.65 8.57 10.75 13.4 16.2 19.37 22.96 26.31	 V HQ 8x Input Power (W) 43.4 61.2 82.7 115.9 158.1 203.3 254.3 316.0 381.0 453.7 535.7 611.1 	4.5x3 Carbon Fil Output Power [W] 30.2 43.9 61.7 88.3 122.7 157.3 197.2 242.9 222.3 342.5 398.6 448.0	ber MAD Torque [N×m] 0.051 0.082 0.105 0.181 0.208 0.237 0.244 0.294 0.317	BL-32 60A 4II RPM 5682 6453 7207 8048 8928 9675 10423 11152 11152 11753 12374 12928 13484	N1 65 64MHZ Thrust (sf) 303 386 -489 629 789 937 1082 1254 1416 1578 1758 1872	Efficiency [%] 73.04 74.97 77.88 79.16 80.39 79.84 79.89 78.95 78.95 78.95 78.52 76.93 75.51 74.05	MA 90°0 Efficie Igfw 7.3 6.6 6.2 5.6 5.2 4.8 4.4 4.1 3.8 3.5 3.3 3.1

Throttle [%]	Voltage [V]	Current [A]	input Power [W]	Output Power [W]	Torque [N×m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	31.28	1.58	49.3	32.0	0.040	7719	267	65.94	5,5
35	31.26	2.42	75.7	53.4	0.056	9131	392	71.62	5.3
40	31.24	3.47	108.3	81.6	0.075	10457	531	76.23	5.0
45	31.21	4.51	140.6	109.5	0.091	11519	643	78.56	4.6
50	31.18	5.69	177.3	140.4	0.108	12448	771	79.82	4.4
55	31.13	7.39	230.0	185.0	0.130	13637	930	80.86	4.1
60	31.08	9.27	288.0	232.9	0.151	14716	1085	81.15	3.8
65	31.03	11.28	350.0	283.1	0.173	15657	1243	81.08	3.6
70	30.97	13.59	420.8	343.5	0.197	16648	1415	84.31	3,5
75	30.89	16.35	505.2	411.1	0.223	17605	1605	83.79	3.3
80	30.81	19.4	597.6	485.1	0.250	18538	1782	83.38	3.1
85	30.72	22.87	702.5	560.9	0.276	19440	1974	81.77	2.9
90	30.61	26.65	815.7	643.8	0.303	20293	2149	80.52	2.7
95	30.5	31.2	951.4	725.2	0.331	20945	2324	77.47	2.5
100	30.36	35.82	1087.5	827.6	0.364	21698	2537	76.98	2.4

The above data are the theoretical values when the input voltage is 32V, for reference only. In the case of room temperature of 25°C and no additional cooling device, the current over 36A is non-working zone.11-36A is short-term (about 10-30s), working zone, and below 11A is sustainable working zone. In actual use, please control the motor running time according to the working environment temperature and heat dissipation conditions.



MAD Shadow XC3000 T2 EEE 1200KV GF 7035x3 MAD BL-32 60A 4IN1 65 64MHZ ESC

CC	MAX
02	98°C

Throttle [%]	Voltage [V]	Current [A]	Input Power (W)	Output Power [W]	Torque [N×m]	RPM	Thrust [gf]	Efficiency [%]	Efficienc [gf/W]
30	23.86	2.34	55.9	33.8	0.039	8280	289	63.1	5.4
35	23.84	3.5	83.5	55.1	0.054	9757	409	68.92	5.1
40	23.82	4.81	114.7	81.0	0.071	10953	534	73.41	4.8
45	23.79	6.33	150.5	109.5	0.086	12095	676	75,46	4,7
50	23.75	7.98	189.6	141.2	0.102	13199	801	76.99	4.4
55	23.72	9.93	235.5	178.2	0.120	14218	949	78.1	4.2
60	23.68	12.05	285.4	216.5	0.136	15190	1072	78.2	3.9
65	23.63	14.68	347.0	267.1	0.158	16154	1249	79.11	3.7
70	23.58	17.44	411.2	318.2	0.177	17160	1417	79.35	3.5
75	23.51	20.59	484.2	376.1	0.198	18131	1589	79.45	3.4
80	23.45	24.06	564.4	436,4	0.218	19078	1753	78.86	3.2
85	23.4	27.8	650.3	500.3	0.239	19992	1919	78.27	3.0
90	23.31	32.48	756.9	565.7	0.261	20723	2097	75.73	2.8
95	23.23	36.46	847.0	636.1	0.281	21630	2252	75.85	2.7
100	23.12	42.44	981.2	726.8	0.308	22554	2467	74.45	2.5

The above data are the theoretical values when the input voltage is 24V. for reference only. In the case of room temperature of 25°C and no additional cooling device. the current over 42A is non-working zone.15-42A is short-term (about 10-30s), working zone, and below 15A is sustainable working zone. In actual use, please control the motor running time according to the working environment temperature and heat dissipation conditions.



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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