

Features:

- ▶ CNC Machined Billet T6 Aluminum Heatsink Can
- ▶ High Purity Copper Windings Maximizes Conductivity
- ▶ High Power Solder Tabs
- ▶ Removable/Replaceable Rotor
- ▶ Powerful Sintered Neodymium Magnet
- ▶ Precision Engineered for Maximum Energy Conversion
- ▶ Adjustable Timing
- ▶ Compatible with any Sensored/ Sensorless ESC
- ▶ Dual sensor port
- ▶ IFMAR, ROAR Compliance

Adjust Timing:

A. First of all loosen the three screws on the back of the motor.
 B. Turn the timing sensor cover and adjust the position.
 C. Tighten the three screws well.

- Reduce the timing, motor RPM and torque reduce. Power consumption gets reduce.
- Increase the timing, motor RPM and torque increase. Power consumption increases.

- Increase the timing, motor temperature is getting higher, battery shorten its running time.
- Adjust motor timing consultation with experts are essential.
- Timing adjustment requires fine-tuning, please adjust timing very carefully.
- ▲ If your sensor cover screw tighten loosely, due to vibration or some shock, your motor or ESC can get damage. Please sensor cover screw lock tightly.

540S Product size

11024-1009-02

ROCKET

540S

V₂ PRO

BRUSHLESS MOTOR

COMPETITION LEVEL

540S SENSORED MOTOR BREAKTHROUGH

The product structure:

Product	Phase	Size	Length	Max. Weight	Max. Torque	Max. RPM	Max. Current	Max. Power	Motor	ESC	Motor Weight	ESC Weight	ESC Length	ESC Width	ESC Height
2.5T Sensored	540	18	100A	1	4.5A	0.0200	3.0	600	020901	2050	160	62.00	100.00	20.00	
4.5T Sensored	540	20	100A	2	7.0A	0.0316	4	800	020902	2950	160	62.00	100.00	20.00	
6.5T Sensored	540	22	100A	2	8.0A	0.0330	4.5	1000	020903	3950	160	62.00	100.00	20.00	
8.5T Sensored	540	24	100A	2	9.2A	0.0359	5	1400	020904	4700	160	62.00	100.00	20.00	
11.5T Sensored	540	26	100A	2	10.5A	0.0385	5.5	1800	020905	5650	160	62.00	100.00	20.00	
14.5T Sensored	540	28	100A	2	12.0A	0.0420	6	2400	020906	6650	160	62.00	100.00	20.00	
17.5T Sensored	540	30	100A	2	13.5A	0.0460	6.5	3000	020907	7700	160	62.00	100.00	20.00	
20.5T Sensored	540	32	100A	2	15.0A	0.0505	7	3600	020908	8800	160	62.00	100.00	20.00	
23.5T Sensored	540	34	100A	2	16.5A	0.0555	7.5	4200	020909	10000	160	62.00	100.00	20.00	
26.5T Sensored	540	36	100A	2	18.0A	0.0610	8	4800	020910	11200	160	62.00	100.00	20.00	
29.5T Sensored	540	38	100A	2	19.5A	0.0670	8.5	5400	020911	12500	160	62.00	100.00	20.00	
32.5T Sensored	540	40	100A	2	21.0A	0.0735	9	6000	020912	13900	160	62.00	100.00	20.00	
35.5T Sensored	540	42	100A	2	22.5A	0.0805	9.5	6600	020913	15400	160	62.00	100.00	20.00	
38.5T Sensored	540	44	100A	2	24.0A	0.0880	10	7200	020914	17000	160	62.00	100.00	20.00	
41.5T Sensored	540	46	100A	2	25.5A	0.0960	10.5	7800	020915	18700	160	62.00	100.00	20.00	
44.5T Sensored	540	48	100A	2	27.0A	0.1045	11	8400	020916	20500	160	62.00	100.00	20.00	
47.5T Sensored	540	50	100A	2	28.5A	0.1135	11.5	9000	020917	22400	160	62.00	100.00	20.00	
50.5T Sensored	540	52	100A	2	30.0A	0.1230	12	9600	020918	24400	160	62.00	100.00	20.00	
53.5T Sensored	540	54	100A	2	31.5A	0.1330	12.5	10200	020919	26500	160	62.00	100.00	20.00	
56.5T Sensored	540	56	100A	2	33.0A	0.1435	13	10800	020920	28700	160	62.00	100.00	20.00	
59.5T Sensored	540	58	100A	2	34.5A	0.1545	13.5	11400	020921	31000	160	62.00	100.00	20.00	
62.5T Sensored	540	60	100A	2	36.0A	0.1660	14	12000	020922	33400	160	62.00	100.00	20.00	
65.5T Sensored	540	62	100A	2	37.5A	0.1780	14.5	12600	020923	35900	160	62.00	100.00	20.00	
68.5T Sensored	540	64	100A	2	39.0A	0.1905	15	13200	020924	38500	160	62.00	100.00	20.00	
71.5T Sensored	540	66	100A	2	40.5A	0.2035	15.5	13800	020925	41200	160	62.00	100.00	20.00	
74.5T Sensored	540	68	100A	2	42.0A	0.2170	16	14400	020926	44000	160	62.00	100.00	20.00	
77.5T Sensored	540	70	100A	2	43.5A	0.2310	16.5	15000	020927	47000	160	62.00	100.00	20.00	
80.5T Sensored	540	72	100A	2	45.0A	0.2455	17	15600	020928	50200	160	62.00	100.00	20.00	
83.5T Sensored	540	74	100A	2	46.5A	0.2605	17.5	16200	020929	53600	160	62.00	100.00	20.00	
86.5T Sensored	540	76	100A	2	48.0A	0.2760	18	16800	020930	57200	160	62.00	100.00	20.00	
89.5T Sensored	540	78	100A	2	49.5A	0.2920	18.5	17400	020931	61000	160	62.00	100.00	20.00	
92.5T Sensored	540	80	100A	2	51.0A	0.3085	19	18000	020932	65000	160	62.00	100.00	20.00	
95.5T Sensored	540	82	100A	2	52.5A	0.3255	19.5	18600	020933	69200	160	62.00	100.00	20.00	
98.5T Sensored	540	84	100A	2	54.0A	0.3430	20	19200	020934	73600	160	62.00	100.00	20.00	
101.5T Sensored	540	86	100A	2	55.5A	0.3610	20.5	19800	020935	78200	160	62.00	100.00	20.00	
104.5T Sensored	540	88	100A	2	57.0A	0.3795	21	20400	020936	83000	160	62.00	100.00	20.00	
107.5T Sensored	540	90	100A	2	58.5A	0.3985	21.5	21000	020937	88000	160	62.00	100.00	20.00	
110.5T Sensored	540	92	100A	2	60.0A	0.4180	22	21600	020938	93200	160	62.00	100.00	20.00	
113.5T Sensored	540	94	100A	2	61.5A	0.4380	22.5	22200	020939	98600	160	62.00	100.00	20.00	
116.5T Sensored	540	96	100A	2	63.0A	0.4585	23	22800	020940	104200	160	62.00	100.00	20.00	
119.5T Sensored	540	98	100A	2	64.5A	0.4795	23.5	23400	020941	110000	160	62.00	100.00	20.00	
122.5T Sensored	540	100	100A	2	66.0A	0.5010	24	24000	020942	116000	160	62.00	100.00	20.00	

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The product structure :

Product	Design	Size	Lipo	Max Amps	Rotor Poles	IG (7.4V)	Resistance	Turns	Watts	Rotor (mm)	Kv (rpm/v)	Weight (g)	Shaft Diameter (Inches)	TYPE
3.5T	Sensored	540	1S	130A	2	8.5A	0.0026	3.5	600	∅12.5*∅5	9250	160	∅3.175	MODIFIED
4.0T	Sensored	540	1-2S	115A	2	7.2A	0.0034	4	530	∅12.5*∅5	8500	160	∅3.175	MODIFIED
4.5T	Sensored	540	1-2S	108A	2	6.5A	0.0042	4.5	490	∅12.5*∅5	7800	160	∅3.175	MODIFIED
5.0T	Sensored	540	1-2S	104A	2	6.2A	0.0056	5	450	∅12.5*∅5	7200	160	∅3.175	MODIFIED
5.5T	Sensored	540	1-2S	100A	2	5.5A	0.0061	5.5	430	∅12.5*∅5	6650	160	∅3.175	MODIFIED
6.0T	Sensored	540	1-2S	96A	2	4.2A	0.0075	6	410	∅12.5*∅5	6200	160	∅3.175	MODIFIED
6.5T	Sensored	540	1-2S	94A	2	3.9A	0.0087	6.5	390	∅12.5*∅5	5520	160	∅3.175	MODIFIED
7.5T	Sensored	540	1-2S	86A	2	3.2A	0.0104	7.5	360	∅12.5*∅5	4850	160	∅3.175	MODIFIED
8.5T	Sensored	540	1-3S	80A	2	2.8A	0.0138	8.5	340	∅12.5*∅5	4250	160	∅3.175	MODIFIED
9.5T	Sensored	540	1-3S	70A	2	2.5A	0.0165	9.5	290	∅12.5*∅5	3800	160	∅3.175	MODIFIED
10.5T	Sensored	540	1-3S	63A	2	1.8A	0.0198	10.5	250	∅12.5*∅7.2	3800	162	∅3.175	SPEC
13.5T	Sensored	540	1-3S	49A	2	1.6A	0.0231	13.5	190	∅12.5*∅7.2	3200	162	∅3.175	SPEC
17.5T	Sensored	540	1-3S	34A	2	1.1A	0.0374	17.5	130	∅12.5*∅7.2	2300	162	∅3.175	SPEC
21.5T	Sensored	540	1-3S	28A	2	0.9A	0.0595	21.5	100	∅12.5*∅7.2	1850	162	∅3.175	SPEC
25.5T	Sensored	540	1-3S	24A	2	0.8A	0.0895	25.5	80	∅12.5*∅7.2	1650	162	∅3.175	SPEC

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