

1. The motors are brushless type. They require a specific electronic speed controller (ESC) to control its operation. Please do not use the one you used for a brushed motor.
2. Connecting the motor to the ESC: Connect the 3 wires from motor to the ESC. There is no specific match of the 3-wires. If the propeller does not turn in the correct rotation direction, reverse or switch any two wires between the ESC and motor.
3. Use only the recommended number of battery cells and propeller size. Over-size propeller and battery cells will deteriorate its performance or even damage the motor.
4. These are strong efficient motors. To maximize the life of your motor keep the amp draw under control. The cooler you keep any motor the longer life it will have. Also check the sight often as some of the Amp ratings will be going up.

Other considerations: If you shorten the leads you will need to scrape the clear coat off the copper wire, only where it will be soldered. Do not use CA on a motor, it will strip the clear shield and short the motor. Limit static tests as there is no air flow over the motor during static use. When flipping shafts, removing bells, etc.. Use a press motion not a taping or hammering motion.

2822-27 1360KV 2-3 Cell Lipo 1360KV ~ 12 Amps ~ 100 Watts

Motor Data for 2822-27 1360KV @ 4907' ASL

Prop Type	Prop Diameter	Prop Pitch	Voltage	Thrust Oz.	Thrust Grams	RPM	Amps	Watts	Pitch Speed
	No	Load	8.3		0.0		0.4		
	No	Load	12.5		0.0		0.6		
2-cell Data									
APC E	7	5	7.89	6.7	189.9	7860	5	39.5	37
GWS HD	8	4	7.9	9	255.2	7950	5	39.5	30
APC SF	8	3.8	7.8	9.5	269.3	6960	6	46.8	25
APC SF	9	3.8	7.6	10.5	297.7	6150	6.9	52.4	22
APC SF	10	3.8	7.8	11.2	317.5	5050	8.1	63.2	18
GWS HD	10	6	7.8	10.9	309.0	5280	7.7	60.1	30
3-Cell Data									
APC E	7	5	12.1	11.5	326.0	9930	8.7	105.3	47
APC E	7	6	12.1	12	340.2	9660	9.5	115.0	55
GWS HD	8	4	12.1	15.5	439.4	10290	8.6	104.1	39
APC SF	8	3.8	11.9	14	396.9	8460	9.5	113.1	30
GWS HD	9	5	11.8	15.2	430.9	7320	10.9	128.6	35
APC SF	9	3.8	11.8	14.8	419.6	7230	10.4	122.7	26
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The factory rates this motor at 100 watts max and suggests propping it for 10.5A on 3-cell lipo. We suggest 2 or 3 cell lipo and 8x4 prop, or propping for around 7-8 Amp max on 3-cell. Around 10-11 Amps on 2-cell.

