

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: Always check system polarity. 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.

2830-12 980KV 2-4 Cell Lipo 980KV ~ 20 Amps ~ 200 Watts

Motor Data for 2830-12 980KV (Stats by us at 4,907' above sea level)

Prop Type	Prop Diameter	Prop Pitch	Voltage	Thrust Oz.	Thrust Grams	RPM	Amps	Watts	Pitch Speed
	No	Load	12.5	-	-	-	0.9	11.3	-
APC E	7	6	11.9	12.6	357.2	10180	7.1	84.5	58
APC SF	8	3.8	11.7	18.5	524.5	9429	8.3	97.1	34
APC SF	9	3.8	11.5	22.6	640.7	8700	9.7	111.6	31
GWS HD	9	5	11.5	22.2	629.4	8790	9.2	105.8	42
APC E	9	6	11.3	22.5	637.9	8100	11.1	125.4	46
APC SF	9	6	11.1	22.5	637.9	7230	13.9	154.3	41
GWS HD	10	6	11.2	24.7	700.2	7890	11.5	128.8	45
APC SF	10	3.8	11.1	26.6	754.1	7350	13.3	147.6	26
Xoar	10	5	11.2	23.5	666.2	8160	10.9	122.1	39
APC SF	10	7	11.1	27.5	779.6	6510	17	188.7	43
APC E	10	5	11.5	25.6	725.8	8070	11.9	136.9	38
APC E	10	7	11.1	23.3	660.6	7230	13.9	154.3	48
APC SF	9	7.5	11	21.5	609.5	6840	14.7	161.7	49
APC SF	11	4.7	10.9	29.7	842.0	6420	16.6	180.9	29
GWS HD	11	7	11.1	30.1	853.3	7050	14.7	163.2	47
APC SF	12	3.8	10.6	31.5	893.0	5880	16.8	178.1	21

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