

U3

Item No.	(V)	Prop	Throttle	(A)	(W)	(g)	RPM	(g/W)	temperature(°C)
U3 V700	11.1	T-MOTOR 12*4CF	50%	2.5	27	350	4000	12.96	40
			65%	4.8	50	550	4900	11.00	
			75%	6.6	72	700	5500	9.72	
			85%	9.1	100	870	6300	8.70	
			100%	11.1	120	1000	6600	8.33	
		T-MOTOR 13*4.4CF	50%	2.9	31	400	3800	12.90	42
			65%	5.6	60	650	4900	10.83	
			75%	7.9	87	830	5300	9.54	
			85%	10.5	114	1000	6000	8.77	
			100%	12.6	135	1100	6400	8.15	
		T-MOTOR 14*4.8CF	50%	4.1	44	550	3500	12.50	43
			65%	7.7	84	890	4500	10.60	
			75%	10.7	115	1060	4900	9.22	
			85%	14.5	158	1300	5500	8.23	
			100%	17.3	186	1460	5800	7.85	
	14.8	T-MOTOR 11*3.7CF	50%	3.2	48	460	5300	9.58	43
			65%	6	87	710	6500	8.16	
			75%	8.2	120	870	7500	7.25	
			85%	11	160	1080	8200	6.75	
			100%	13	193	1230	8700	6.37	
		T-MOTOR 12*4CF	50%	3.8	56	580	5000	10.36	43
			65%	7.4	108	880	6300	8.15	
			75%	10.3	150	1100	7300	7.33	
			85%	14	202	1360	7700	6.73	
			100%	16.8	240	1600	8300	6.67	
		T-MOTOR 13*4.4CF	50%	4.7	70	730	4900	10.43	47
			65%	9	132	1120	6100	8.48	
			75%	12.3	179	1400	6800	7.82	
			85%	16	230	1600	7400	6.96	
			100%	19.4	277	1800	7850	6.50	

Notes: The test condition of temperature is motor surface temperature in 100% throttle while the motor run 10 min



UB



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U3



U-POWER

Why was U-Power born?



With Multirotors widely used in many fields. There are more requirements for high quality power system focusing on Unparalleled reliability, durability, high power and high efficiency. Further more the working environment of motor is considered. The motor must operate in extreme climate conditions, so the performance must be designed waterproof and dirt resistant. **THIS IS WHY U-POWER WAS BORN.** To meet the customer's rigorous demands we started development of U-Power in 2011. Today, with 18 months of research and development we release  for UAV market.

both are photography, video, inspection, security, surveillance , scientific research and mapping. It is yours choice which motor will work best for you.

1. Power Series :U3 U5 U7 U11

2. Efficiency Series :U6 U8 which are focused on Long Flight time.



U-POWER
Germany engineered Design



- Be Simple
- Be Mature and Generous
- Be Natural product
- The Art of Achieving Perfection in Performance
- Solid Black Metallic surface

U-PO



Self-cooling system
(Patent protected)



U-POWER

The housing has unique cooling holes that while running pump 2.5 times more air through the motor than our MT and MN series.



①



②





E-MOTOR

(patent protected)



Abnormal shape shaft design to
avoiding loose



**Waterproof,
Dirt resistant**





U-POWER TECHNOLOGIES



Voltage :4S

Recommended prop:

12 *4 T- motor CF prop

Take-off Weight of copter:

Quadcopter 4 KG

Hexrcopter 6KG

Octocopter 8KG

1KG level U3
U-POWER



To ensure 100% qualified motor,
our inspection process
of the U-Power motor is taken by
military test standard.



Power Type U3

To ensure 100% qualified motor,
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military test standard.

**CRAFTSMEN HAND
BUILD WINDINGS**



Single thick copper wire winding
Reduce the energy consumption of
the motor



-----Copper wire

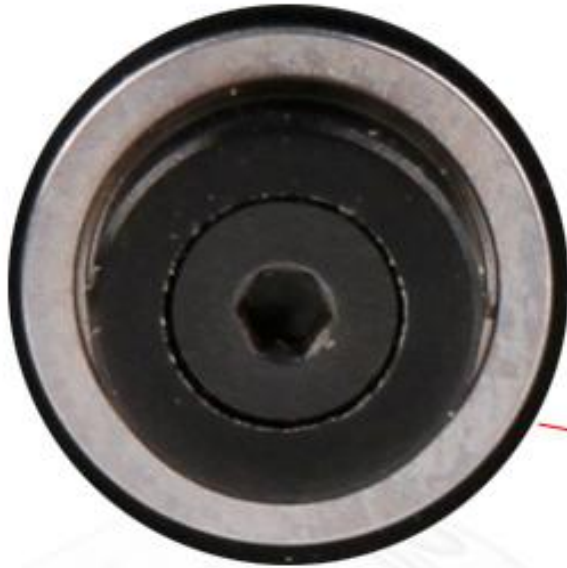
-----Oxygen-free copper wire temperature of 180 degrees is used in winding the motors to enhance resistance to short circuit.

-----Bearing This Germany Bearing is three times bigger than EZO bearing.

Features:-----Long life :MTBF(Mean time between failure):3500 Hours

-----Running smooth

-----Silence Sounds



---Cooling Material---

Features-----High hardness aluminum front and rear housing is more durable.

-----CNC Machined high aluminum front and rear housing with cooling holes not only pump air through the motor and also waterproof and resistance sand while it runs.



---Silicon steel sheet

Features:All the stators of our motor are made with high lever 0.2mm laminations for maximum efficiency and minimum eddy current lose.,which is better than the MN and MT series motor.High quality stator plates are epoxy coated on the inner surface to prevent winding shorts









Z-MOTOR







U-POWER TECHNOLOGIES



Voltage :4S

Recommended prop:

12 *4 T- motor CF prop

Take-off Weight of copter:

Quadcopter 4 KG

Hexrcopter 6KG

Octocopter 8KG

1KG level U3 
U-POWER