

Motors Work at Ease in High Temperature

Centrifugal air-cooling system, built-in
array for efficient heat dissipation.
The terrific cooling performance
guarantees the reliability during running.
Operating in 50°C environment disdainfully.



Motor Protection

Safe flight

IP55

Heavy rains and desert
are not qualified to stop you from flying.



Dust-resistant
& Waterproof





Patent Technology

Protect motors from sand,
dust, foreign matters and
magnetic particles.

Bore Diameter of net < 1mm



Foreign Matter

Silicon Steel Sheet

Special anti-rust treatment

Capability of passing 48h salt spray test.



Special Anti-rust
Treatment



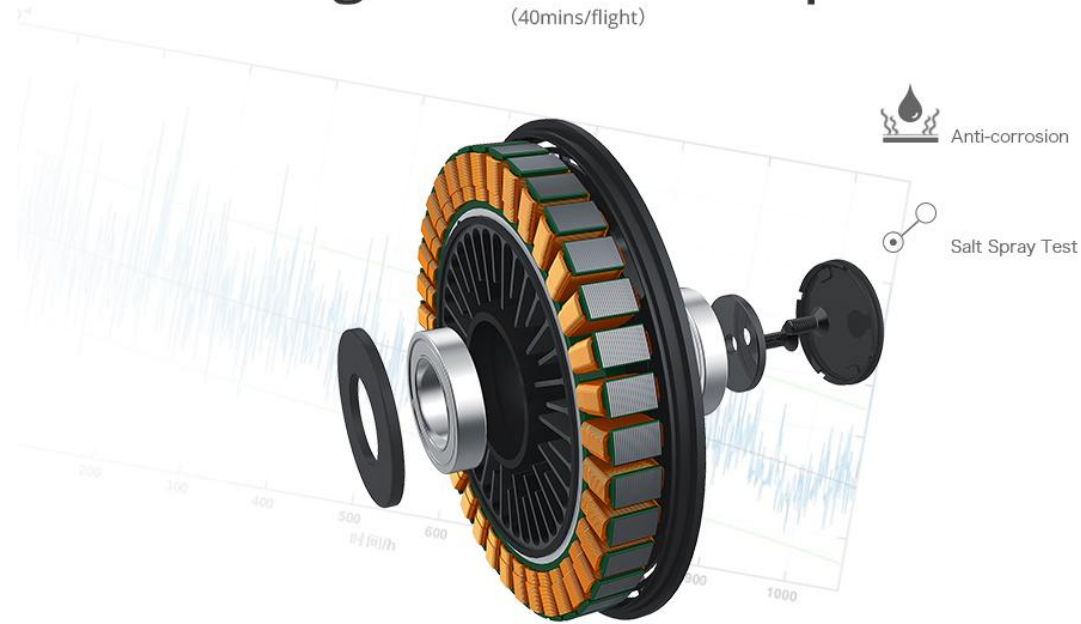
Salt Spray
Test



Service Life

1500 flights are out of question

(40mins/flight)



Imported Custom Bearings Dual Bearing Protection

Simulated analyses are carried out based on the stress under operating condition in axial and radial directions. Redesign of custom bearing contributes to prolong the bearing life to 1000h+ under normal operation.

Property of anti-rust and anti-corrosion from dual bearing protection gets the motor through 6h salt spray test.

N45 UH Magnet Grade

High grade magnets ensures high efficiency in high temperature.

N42 SH Grade

1.29-1.35(T) 12.9-13.5(kGs)
Remanence(Br)

955-995(kA/m) 12.0-12.5(kOe)
Coercive Force(bHc)

318-350(kJ/m³) 40-44(MGOe)
Max. Energy Product(BH)max

150(°C)
Max. Working Temp(Tw)

N45 UH Grade

1.32-1.38(T) 13.2-13.8(kGs)
Remanence(Br)

987-1019(kA/m) 12.4-12.8(kOe)
Coercive Force(bHc)

342-382(kJ/m³) 43-48(MGOe)
Max. Energy Product(BH)max

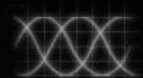
180(°C)
Max. Working Temp(Tw)

Sliver lead the trend with intelligence

FOC ESC: Smooth control, Low noise, High efficiency.

Latest ultra-light 28" carbon fiber prop weighs only 55g
(weight of standard 28"CF prop is 98g).

An increase of 12% to flight time and weight loss of 320g (quadcopter)
is attainable once U8LITE and the ultra-light prop are on your aircraft.



Sine Wave Driving



FOC ESC



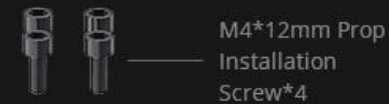
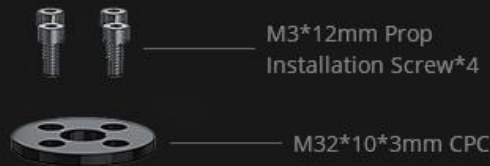
Ultra-light Prop

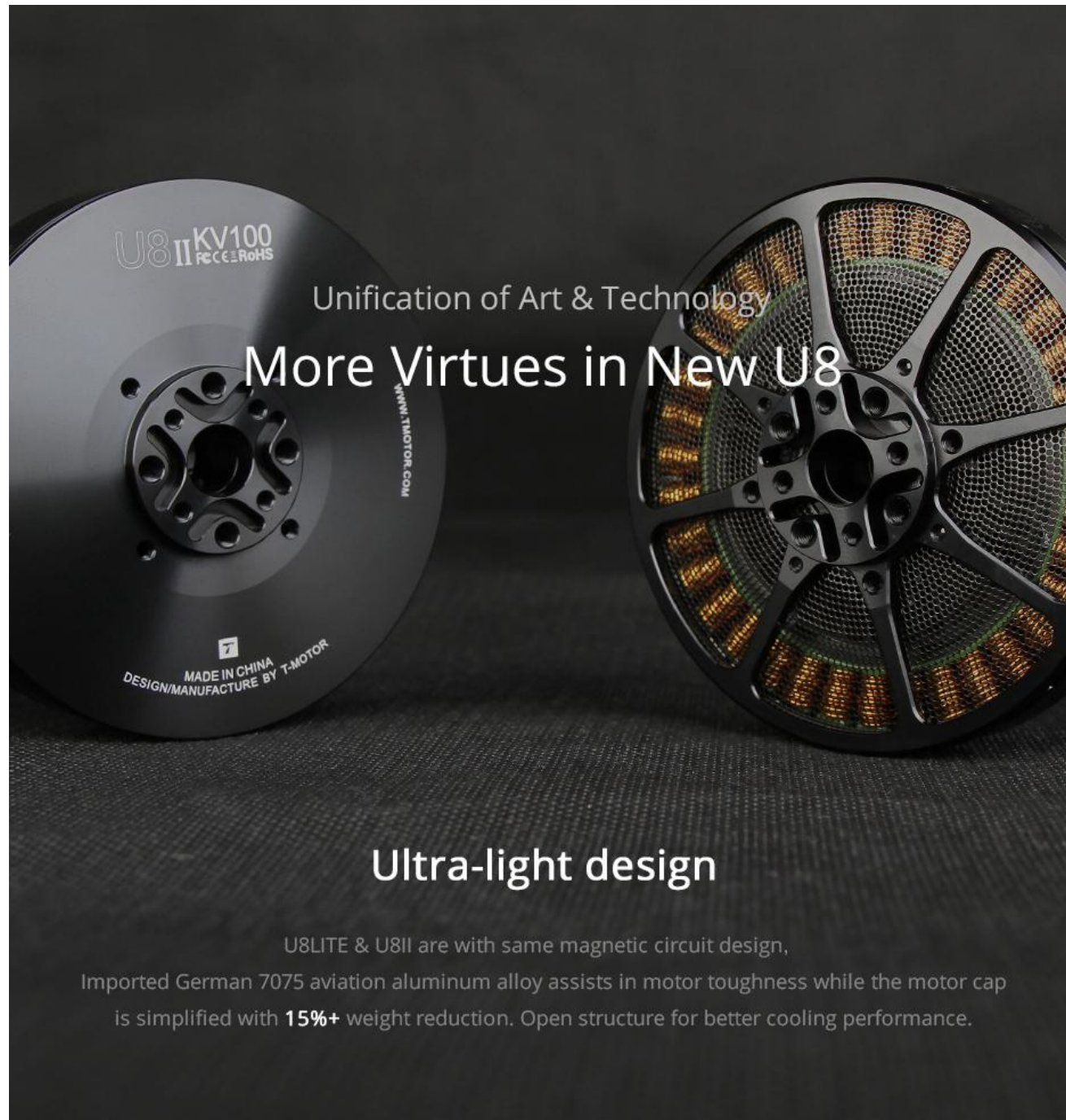


No prop adapter is required with **20g** weight reduction: Easy Installation

Tip

Do not forget the **2g** location pin during installation!





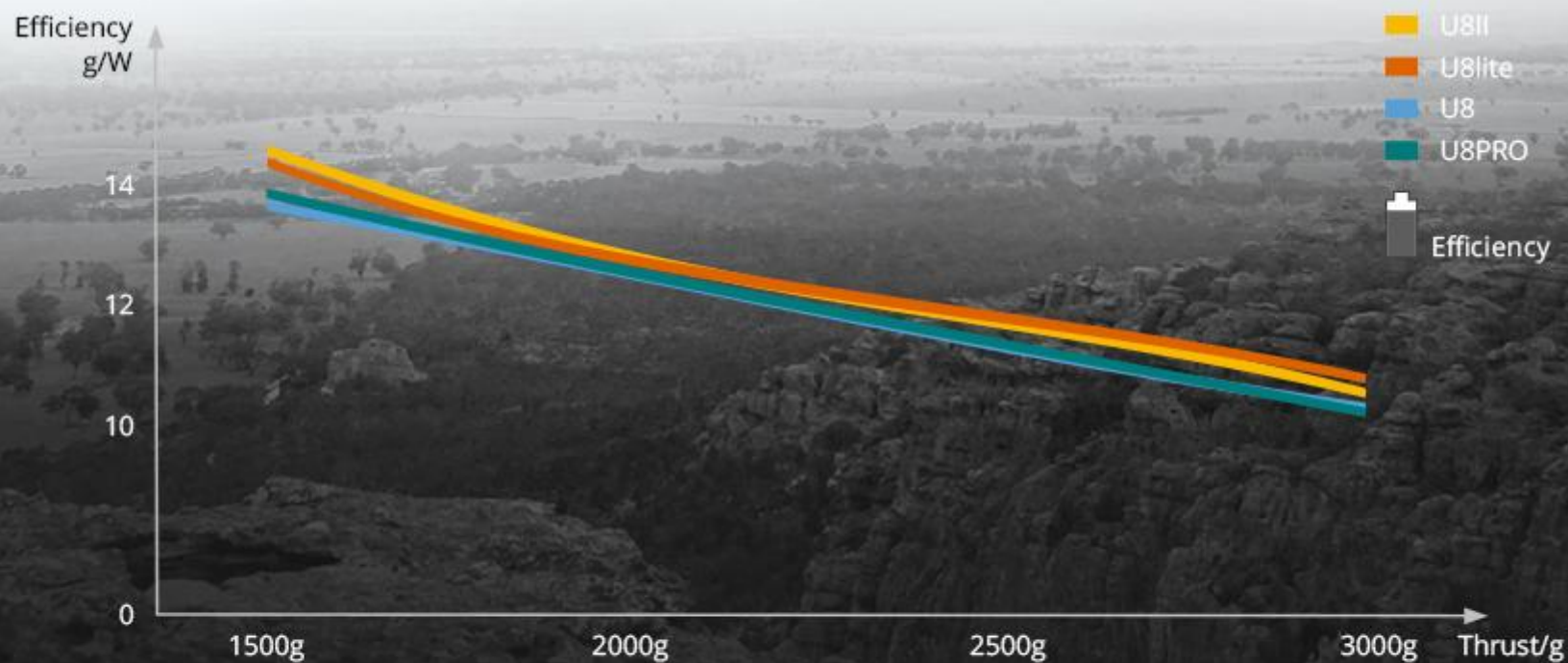
Unification of Art & Technology

More Virtues in New U8

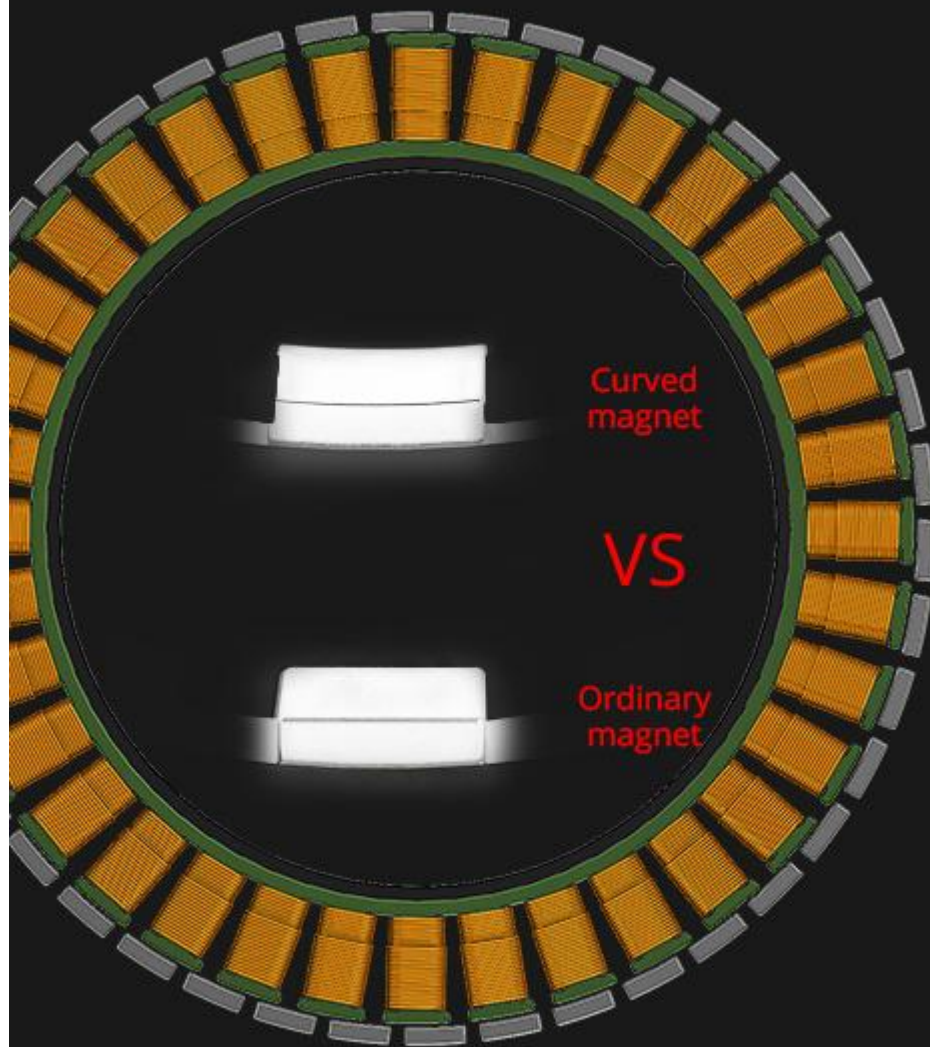
Ultra-light design

U8LITE & U8II are with same magnetic circuit design,
Imported German 7075 aviation aluminum alloy assists in motor toughness while the motor cap
is simplified with **15%+** weight reduction. Open structure for better cooling performance.

Flight time 5% longer



*Data obtained at 6s with 28" propeller



Magnetic Circuit Optimization

Curved magnets in new U8 are
with less magnet space.
Optimized design help save
energy during flight.

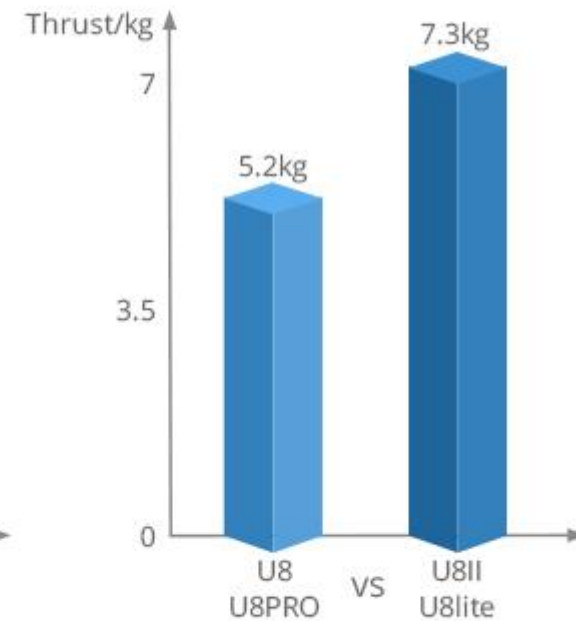
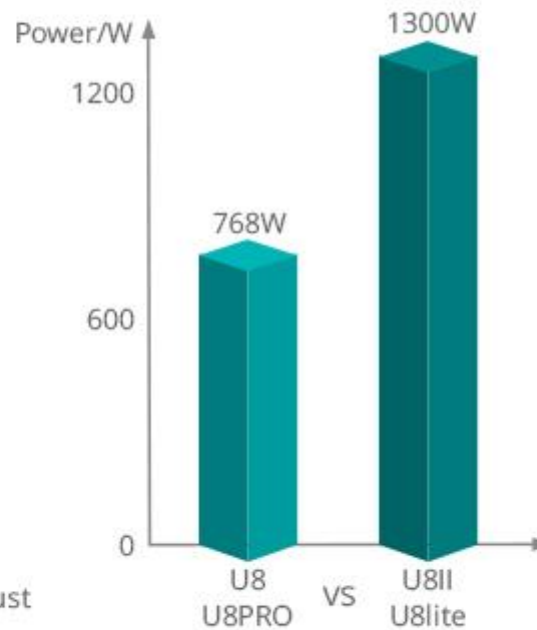
Max. Thrust: 7.3kg

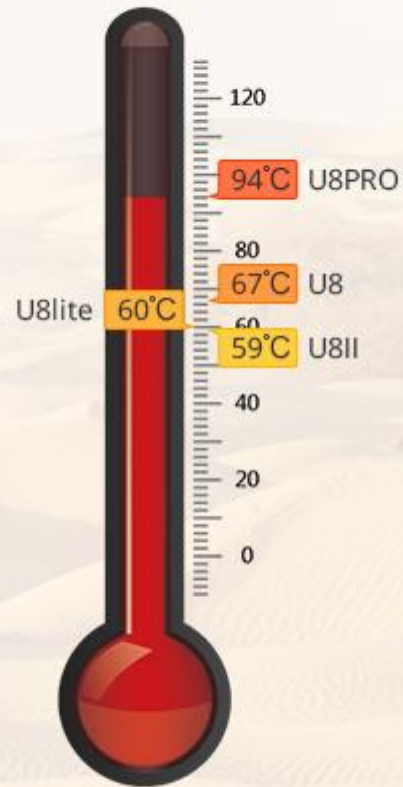
Heavy Load

With the fall of motor temperature, the max thrust of new U8 reaches 7.3kg from 5kg which doubles the aircraft payload.

P_{MAX} Max. Power

↑ Max. Thrust





A max of **35°C**
temperature fall
can be achieved.

*Data obtained at 32V+500W motor running 10mins

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