









Picture	Component	Source	Cost
	SSS56104	Ebay	\$ 150.00
	Parker PV40TN-005 Used	Ebay	\$ 99.00
	HobbyWing SeaKing V3 130A BL Motor ESC	Ebay	\$ 217.00
	2x Yuki Model 801326 Kryptonium LiPo 6s1p 22.	Ebay	\$ 176.00
	15A UBEC Input 6-12S Lipo battery	Ebay	\$ 10.00
	20x10x6	Rs components	\$ 6.00
	26x10x7	RS components	\$ 6.00
	Aluminum Tubing. Ø60xØ57	Ebay	\$ 9.00



R30 O-ring

Hardware store

\$ 2.00



304 Stainless steel 10mm shaft

Hardware store/ebay \$ 5.00



10mm to 10mm rigid Steel Shaft Coupling

RS components \$ 20.00



Ball bearing 10x26

RS components \$ 5.00



GT2B 2.4GHz 3-Channel Transmitter

EBAY \$ 33.00



NOBLIE ZEN Foil

King of watersports \$ 900.00

Marine Grease

Hardware store \$ 10.00

Stainless steel Nuts and Bolts

Hardware store \$ 20.00

12 awg wires

Ebay/RC store \$ 15.00

Suitable waterproof box.

Hardware store \$ 30.00



thrust bearing

\$ 10.00

Comments

8mm Shaft

5:1 Gearing, 8 mm input shaft.

gives apx 10m battery time. Will
build 16850 pack

To power reciver / arduino board

Double seal shaft seal to ensure
noe leaks. MUST BE USED WITH
LOAD OF GREASE

Double seal shaft seal to ensure
noe leaks. MUST BE USED WITH
LOADS OF GREASE

Tubing that goes around the
motor/gearbox, 0.5mm mm gap
to the motor.

MUST BE APPLIED WITH LOADS
of GREASE to ensure watertight
seal against 3d print parts

Motor shaft extension

Shaft coupler

stainless steel

Simple remote

NOBILE ZEN hydrofoil. Cheaper
used!

To ensure Seal against O-
Ring/shaft seals and 3d print
nylon parts. Check compability
with 3d print material first!

M4 and M3 in different lengths

Connecting motor to esc

Bigger is better, because of heat ,

Link

<http://www.ebay.com/itm/SSS-56104-500KV-Brushless-Motor-6-Poles-W-O-Water-Cooling-For-RC-Marine-Boats/28>

USED ON EBAY

<https://www.tfl-hobby.de/BL--Regler/Hobbywing-245/hobbywing-seaking-130a-hv-5-12s-v3.html>

<http://www.ebay.com/itm/Yuki-Model-801326-Kryptonium-LiPo-6s1p-22-2V-5000mAh-30C-komp-m-XT60-Plug-/40>

<http://www.ebay.com/itm/NEW-15A-UBEC-Input-6-12S-Lipo-battery-F/351193576785?ssPageName=STRK%3AMEBI>

<http://uk.rs-online.com/web/p/seals-o-rings/8289223/>

<http://uk.rs-online.com/web/p/seals-o-rings/8293702/>

<http://www.ebay.com/itm/ALUMINIUM-ROUND-TUBE-PIPE-VARIOUS-SIZES-12MM-TO-60MM-ALL-LENGTHS-FREE-P>

<http://uk.rs-online.com/web/p/collars/7006910/>

<http://uk.rs-online.com/web/p/ball-bearings/8937240/>

<http://www.ebay.com/itm/FlySky-FS-GT2B-2-4GHz-3-Channel-Transmitter-FREE-Shipping-USA-Seller-/12265596326>

<https://www.kingofwatersports.com/product/nobile-zen-2017-hydrofoil/nobile-zen-2017-hydrofoil?productvarid=n>

<http://www.ebay.com/itm/10-12-14-16-18-20-22-24AWG-Silicone-Wire-Cable-All-Colours-and-Sizes-/28177932299>

ALUMINIUM box is best to act as a heat sink as well

<http://uk.rs-online.com/web/p/roller-bearings/0513761/>

