

Quad copter and Accessories



Q450 Glass Fiber Quadcopter Frame 450mm.

The Q450 is a well thought out 450mm quad frame built from quality materials. The main frame is glass fiber while the arms are constructed from ultra durable polyamide nylon.

Features:

- Built from quality glass fiber and polyamide nylon.
- Pre-threaded brass sleeves for all of the frame bolts.
- Colored arms for orientation to keep you flying in the right direction.
- Large mounting tabs on main frame bottom plate for easy camera mounting.
- Easy assembly.



Brushless Outrunner Motor - (Type 950kV,1200kV,1600kV)

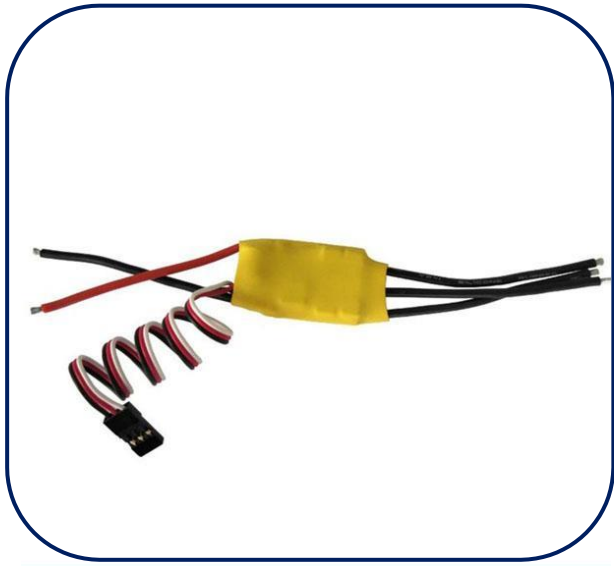
The brushless out-runner will provide more power with its high efficiency, long run times. This quality motor is built specifically for RC planes and quadcopters.

Features:

- RPM/V: 950KV / 1200KV / 1600KV
(Depending upon the type)
- Max watts: 145.
- No. Of cells: 2-3Li-Po.
- Fit for ESC : 30A.
- Recommended model weight: 300 - 800 g

PROVOTECH

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30A ESC

This brushless ESC includes programmable motor braking, soft start for helis and planes, timing, throttle input range and low-voltage cutoff.

Features:

- Up to 30-amp continuous current with proper airflow, 35-amp peak.
- 5-volt switch-mode BEC circuit capable of 700mAh continuous current on any recommended input voltage.
- Drives up to 5 analog or 4 digital sub-micro servos with the BEC.
- Programmable motor braking.
- Safe power-arm mode prevents accidental starts.
- Programmable soft start for helis and airplanes.
- Auto motor shutdown if signal is lost or there is interference.



Propellers – (Clockwise & counter clockwise)

2-blade propellers

This is a set of two plastic propellers, one normal and one pusher (reverse). You'll need 2 x propellers & 2 x Pusher propellers for a quadcopter. Each set comes with relevant accessories for mounting to different shaft sizes.

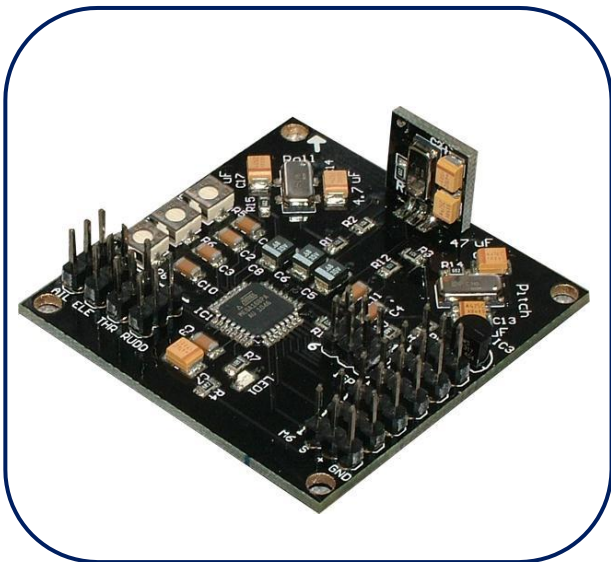
Item type	Colour
PSF8045B-C	8045(Black)
PSF8045RB-C	8045R(Black)
PSF9047B-C	9047(Black)
PSF9047RB-C	9047R(Black)
PSF1045B-C	1045(Black)
PSF1045RB-C	1045R(Black)
PSF1147B-C	1147(Black)
PSF1147RB-C	1147R(Black)
PSF1245B-C	1245(Black)
PSF1245RB-C	1245R(Black)



3-blade propellers

Type(5030,7035)

The package contains a pair of 3 blade propellers (1 Clockwise and 1 Counter-Clockwise). Available in two sizes 5030 (5" x 3") and 7035 (7" x 3.5"), each pair comes with a set of adapter inserts (bushings) so that the propeller hole can adapt to varieties of motor outputs.



KK Multicopter Board

This board also uses a user programmable Atmega168PA IC. This is a flight control board for 4 rotor Aircraft (Quadcopters). Its purpose is to stabilize the aircraft during flight. To do this it takes the signal from the three on board gyros (roll, pitch and yaw) then passes the signal to the Atmega168PA IC. The Atmega168PA IC unit then processes these signals according the users installed software and passes control signals to the installed Electronic Speed Controllers (ESCs). These signals instruct the ESCs to make fine adjustments to the motors rotational speed which in turn stabilizes your quadcopter

SUMIT ELECTRONICS

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Li-Po Battery

Lithium-Polymer (Li-Po) Battery for robotic applications. It can give great instantaneous discharge current upto 44A. Very light weight and small size compared to Ni-Cd, Ni-MH and Lead acid batteries. Very long life without losing charging capacity. Weights just 192 gm.

Features:

- Very small in size and weight compared to Ni-Cd, Ni-MH and Lead Acid Batteries.
- Full Charge in 180 minutes with special charger.
- Long life with full capacity for upto 1000 charge cycles.
- 3X Li-Po 3.7V 2200mAh cells (3S1P).
- Low maintenance.
- Discharge Current: $20 \times 2200\text{mAh} = 44\text{Amp}$.
- Max Charging Current: 1A.





Lipo Battery charger

LiPo battery fast charging with wide AC input. An internal 100-240V AC switch power is built in, and the high precision balance circuit can supply larger current up to 850mA per cell. Double colour LED can display the process of charging (RED: charging; GREEN: full). This charger is compact and light; especially there is separated corresponding balance port for each battery pack.

Features:

- Input voltage: AC 110V-240V.
- Balance charge current: 850mA.
- Display: Green & Red LED.
- Case: Plastic.
- Dimension: 90mm*55mm*35mm.
- Weight: 180g.

6 Channel Transmitter + Receiver



DMSS™ (Dual Modulation Spectrum System) is an innovative 2.4GHz transmission protocol that offers high-speed response and high resistance against RF noise. With the XG6 transmitter, you get all the benefits of genuine JR technology in a basic 6-channel transmitter that comes with integrated telemetry; a world first for a 6-channel transmitter.

Specifications:

- Channels: 6 channels.
- Model type: Heli, Airplane, Glider.
- RF power: less than 20db.
- Modulation: GFSK.
- Code type: PCM.
- Sensitivity: 1024.
- Low voltage warning: LED warning.
- DSC port: yes.

BATTERY CONNECTORS



XT60 Connector Pair

These connectors are made from high-temp nylon with gold plated sockets molded in. The shape of the XT60 prevents reverse polarity, and when plugged in the connection is super-solid. Perfect for applications up to and beyond 65A continuous draw. These XT60 connectors are very popular due to the ease of soldering.



Dean T connector Pair

These connectors are made from high-temp nylon with gold plated sockets molded in. The shape of the Dean T prevents reverse polarity, and when plugged in the connection is super-solid. Ribbed for better grip when removing connectors



Bullet Connector / Banana Plug

Bullet connector or banana plug has a diameter of 3.5mm. It is designed to carry high current. The connector pair when plugged in connection is super solid. These connectors are ideally used to connect ESC and motors.