

# EP YAK 55 3D

ALMOST-READY-TO-FLY ELECTRIC 3D AEROBAT



GPMA1190

Wingspan: 33.5 in (850mm)

Wing Area: 297 sq in (19dm<sup>2</sup>)

Weight: 12-14 oz (330-380g)

Wing Loading: 6-7 oz/sq ft (17-20g/dm<sup>2</sup>)

Length: 33 in (840mm)

Includes: 280-size motor, 5:1 gear drive, prop, prop saver

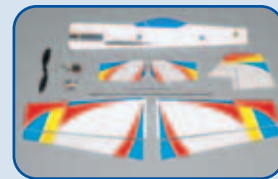
Requires: 4-channel radio w/micro receiver & 3 nano servos, 20A brushed electronic speed control, 12" & 6" servo extensions, 3S1200 or 1500mAh Li-Po battery, Li-Po compatible charger

## GIANT PERFORMANCE — PARK FLYER SIZE!

The Yak 55 3D ARF dispels the myth that an expensive brushless motor system is needed for electric 3D aerobatic flight. High alpha flight, Parachutes, Blenders and even Walls are among the Yak 55 3D's capabilities — and it does all of this with an inexpensive yet powerful brushed motor! The ball bearing 280-size motor and 5:1 gearbox are assembled and ready to install into the airframe, and an included "prop saver", compatible with APC or GWS prop hubs, allows the prop to deflect back at landing.

The control surfaces are enormous, and servo arm extensions give even more control surface movement. The Yak 55 3D ARF gives incredible 3D performance from a low-cost, easy-to-assemble design — and it's small enough to be flown in a park, on a playground or even in your own backyard!

- Recesses for the radio components are already in place — there's even a pre-cut channel in the fuselage for the servo lead wires.
- The full flying stabilizer joiner rod bearings are preinstalled in the fuselage.
- A clear battery hatch, fastened with hook & loop material, allows for quick and easy battery pack changes.
- A generous hardware package is included.



With a low parts count and easy final assembly, this exciting aerobat can be flight-ready in just 2-3 hours! The durable foam construction features a high visibility trim scheme that has already been applied.



The Yak 55 3D ARF's huge control surfaces include a full flying stabilizer for massive 3D power and impressive hovering ability.



The Yak 55 3D ARF comes with a powerful ball bearing 280-size motor, 5:1 gearbox, and prop saver.



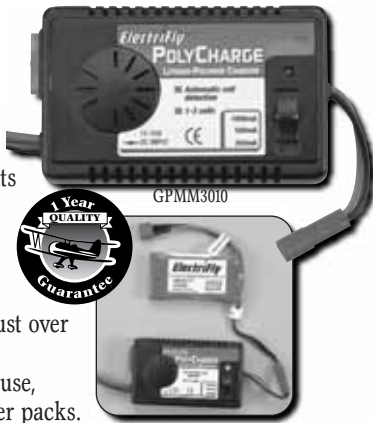
## POLYCHARGE

LITHIUM-POLYMER CHARGER

DC Charger for 1-3 cell  
Lithium-Polymer Batteries

With the PolyCharge, the benefits of Li-Po packs are easy to enjoy and afford. The PolyCharge is about the size of a business card so it slips into a field box or shirt pocket with ease — and weighs just over 4 ounces!

Extremely simple to set up and use, it's perfect for 1-3 cell Li-Po power packs. The PolyCharge automatically starts charging when the pack is connected, and automatically ends charging when the pack is fully charged. Adjusting the charge rate to capacity takes only a moment and a touch on the selector switch. Choose from 250mA, 500mA or 1,000mA rates. A buzzer and high-intensity blue LED signal: start/stop charge; high/low voltage input; reverse polarity (output) and loose/broken pack connection. The PolyCharge includes alligator clips on a 30" lead for input and a standard red 2-pin connector on output.



## Great Planes® ElectriFly™ Li-Po Battery Packs



Once for ounce, Lithium-Polymer (Li-Po) cells offer more power than either NiCd or NiMH cells, and add less to all-up weight! And because they're high-discharge cells, they're great for electric flight and other high-drain applications. Higher nominal voltage per cell means fewer cells are needed, and each cell is housed in a soft, thin foil-like wrap (instead of a metal can). ElectriFly's innovative SafeCharge™ circuitry monitors and limits charge voltage, protecting cells and packs from overcharging. In addition, both packs include separate charge and discharge leads for safety and convenience — a standard 2-pin connector for charging and a Deans Ultra connector for discharging.

GPMF0821 Lithium-Polymer 1200mAh 11.1V 3-Series Pack  
GPMF0831 Lithium-Polymer 1500mAh 11.1V 3-Series Pack

## Great Planes® ElectriFly™ C-20 Electronic Speed Control

The compact, easy-to-use ElectriFly C-20 ESC is fully proportional, with a high-frequency design for cooler, more efficient operation. It includes "Safe Start" system for pilot safety and auto cut-off to reserve power for safe landings. Other features include reverse polarity and thermal shutdown protection, installed radio and battery plugs, capacitors, brake, set-up LED, ON/OFF switch and Schottky diode. BEC provides power for receiver and 2 standard servos. For 5-8 cells, 400-size motors and applications up to 22A.



GPM2020

## Futaba® S3108 Micro Servo

Extremely light weight, ideal for small planes and park flyers, the S3108 Micro Servo is perfect for the Yak 55 3D ARF.



FUTM0042



Dimensions: 0.9" x 0.4" x 0.8"  
Weight: .27 oz  
Speed @ 4.8V: 0.12 sec/60°  
Torque @ 4.8V: 17 oz/in



FUTL0442 (Low Band)  
FUTL0443 (High Band)

- FM clarity and control for park flyers and 3FR flight systems!
- Draws only 10mA — and features a big 1500-ft. reception range!
- Available on low band (16-35) and high band (36-60) channels. Both require "short style" Futaba crystal (FUTL62\*\*/FUTL63\*\*).

Dimensions: (0.86 in x 1.25 in x 0.53 in/21.8 x 31.7 x 13.5mm)  
Weight: (0.38 oz/10.9g)  
# of Channels: 4  
BEC: no  
Band: 72 MHz  
Modulation: FM

## Futaba® S3108 Micro Servo



Available on low band (16-35) and high band (36-60) channels. Both require "short style" Futaba crystal (FUTL62\*\*/FUTL63\*\*).

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