

## *Spectra, Striker, and Shaker flying wing platforms*

*All named aircraft are configured as flying wings and are made of composite materials of expanded polystyrene foam, carbon fiber, and ABS. It is considered a “frangible” UA in that sufficient impact will cause the aircraft to distribute any attenuated impact load by coming apart. Typical configuration of the Spectra is as follows:*

***Aircraft Type:*** Spectra AP flying wing

***Manufacturer:*** RPFlightSystems, Inc.

***Construction:*** EPS foam/ABS/composite

***Aircraft Empty Weight:*** 31 oz.

***Aircraft RTF AUV:*** 47 – 54 oz.

***Propulsion:*** Electric AXI outrunner

***Power :*** 3200 MaH lithium polymer flight batteries

***Onboard electronics:*** FMA FS8 CoPilot with failsafe, Eagle Tree

### Telemetry

***Optics :*** (1) still E/O imager, up to (2) video CCD video cams, 2.4Ghz.

***Launch Type :*** Hand launch

***Landing Type :*** Skid, net retrieval

***Launch Speed :*** 15 mph

***Cruise Speed :*** 32-34 mph (@ 75% power)

***Cruise Speed :*** 28 mph (@ 50% power)

***Landing Speed :*** 15 mph

***Stall :*** 14 – 18mph (depending upon wing loading)

***VNE :*** 75 mph

***Duration :*** 45 minutes (5K MaH battery, 50% power)