

INTRODUCING THE RETRACTABLE ELECTRIC SYSTEM (RES) – YOUR ULTIMATE AVIATION COMPANION

Revolutionizing aviation, the **Retractable Electric System (RES)** isn't just a sustainer; it is a **self-launcher** capable of effortlessly lifting up to 590 kg.

Crafted with precision and innovation, this high-voltage system features two easily removable batteries conveniently housed inside the fuselage.

Developed in collaboration with the renowned sailplane engine producer SOLO Aircraft Engines, the RES guarantees unparalleled comfort, safety, operational flexibility, and remarkable performance.

Experience seamless control with our fully automated system, effortlessly adjustable via a rotary dial on the intuitive control panel.

STANDARD FEATURES FOR YOUR COMFORT

- Low-noise propeller design
- Pilot interface: One single switch controls pylon extension and doors
- Choice of dual-battery or single-battery configuration
- Automatic centering of propeller after shutdown
- Engine bay door opening/closing with controlled sequencing for both retracted and extended pylon positions

ENGINE SYSTEM	
Engine	Emrax 228
Propeller type	HPH-1E-140/RS-064
Endurance	80 – 120 km
Maximum static thrust	96 daN
Maximum RPM	3850
Max power for take-off	45 kW
Max continuous climb power	28 kW
System weight (excluding batteries)	24 kg (53 lbs)

BATTERY SYSTEM	
Battery type	EMECTRIC BM 384
Battery configuration	96S4P
Battery voltage	270V - 400V
Usable energy	3.4 – 4.2 kWh per battery
Battery weight (each)	25 kg (55.1 lbs)
Max. number of batteries	2

RES – ZERO EMISSIONS!

LOVE TO FLY SINCE 1964

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Specifications subject to change without notice.

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sailplanes

GO ELECTRIC, GO SHARK RES!

RES Shark



RES Shark

UNMATCHED PERFORMANCE

The Retractable Electric System (RES) offers unparalleled performance with **exceptional power-to-weight ratios**. Carefully engineered for maximum flexibility, it is aimed at contest pilots seeking low minimum wing loading as well as leisure pilots desiring self-launch options even at higher wing loadings.

With its multiple battery configurations, the RES ensures unmatched wing loading flexibility, setting new standards in aviation excellence.

The complete system comes in the proven HPH quality in terms of design and workmanship.

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