









Gliders for special orders



Lotus 2M

Timon 2M

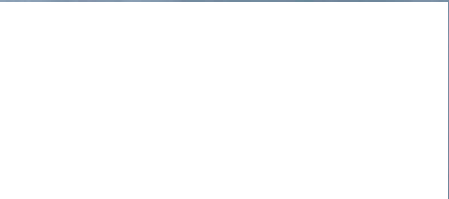
	#								
Lotus 2M	0035	2000mm	965mm	33,7 dm <sup>2</sup>	HN1033 mod.	380g	6 ch.+	2x(HS-65HB)	300-750mAh
Timon 2M	0064	2000mm	950mm	33,7 dm <sup>2</sup>	HN1033 mod.	370g	6 ch.+	3-4x(HS-65HB-HS-82)	750mAh

SEGEFLUGZEUGE ELECTRO-SEGEFLUGZEUGE PLANEURS ÉLECTROPLANEURS GLIDERS ELECTRO GLIDERS

SZYBOWCE ELEKTRO-SZYBOWCE SEGEFLUGZEUGE ELECTROSEGEFLUGZEUGE PLANEURS ÉLECTROPLANEURS GLIDERS ELECTRO GLIDERS

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**Art Hobby is a renowned producer of a wide range of radio controlled gliders and electro-gliders.**

Reasons why you should choose ART HOBBY gliders/electro-gliders:

- Our models are widely recognized to be affordable and some of the best gliders on the market in their class.
- Unique and modern constructions featuring low drag designs.
- Superb soaring performance, reliability and quality speaks for itself.
- Innovative designs incorporated in our gliders make them lighter, stronger, and easy to assemble.
- Well engineered glider components are made with precision and fit together perfectly.
- Degree of finished pre-manufactured components reduces buildin time to a minimum.
- Allowing for custom finish and permits some alterations if desired by the modeler-builder.
- Modular designed wings, fuselages, and tail sections allow them to be exchanged among many of our gliders.
- All glider components are available upon request.
- Online support and assistance courtesy to all of our clients-modelers.

### Construction

**Wings** - have cores precision cut from white special density polystyrene, all have thin black poplar veneer skins bonded to the core using aircraft industry grade epoxy. Bonding process is done in high pressure molds to achieve perfect airfoil fidelity and warp-free surfaces that fly straight and true with the highest aerodynamic efficiency. All have wing washouts built-in. Wing tips and leading edges are pre-installed and sanded to shape.

**Fuselages** - composite, made from pre-painted, multi layer molded epoxy-glass fibers reinforced with carbon fiber and glass roving where needed. Some fuselages have V-shape wing saddles with molded in wing nuts. Some models have carbon fiber composite tail booms. All fuselages feature either removable canopy or slip on nose cone.

**Tail assembly** - made of solid balsa or solid balsa laminated with light weight glass or foam cores pre-sheeted with ultra thin poplar veneer. All tails are finish sanded and have pre-hinged control surfaces. Some gliders feature removable tails.

**Accessories** - every glider kit includes a bag of needed accessories, pushrod(s), wing name sticker, detailed drawin, and building instructions.

### Glider Kit - Components

(Picture: Evolution 2.5M - example)



Carbon Fiber Tail Booms (tapered) used in Art Hobby gliders

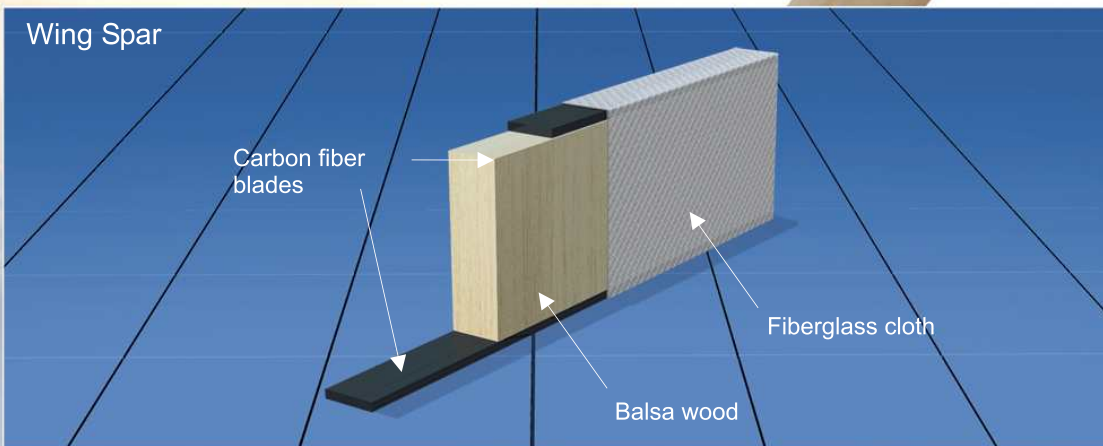
	Catalog No.	Dimensions (mm)	Weight (g)
	<b>055</b>	31-15 x ~790 long	~80
	<b>057</b>	24-13 x ~830 long	~40
	<b>070</b>	15-9,5 x ~625 long	~16
	<b>015</b>	14,5-9 x ~460 long	~13



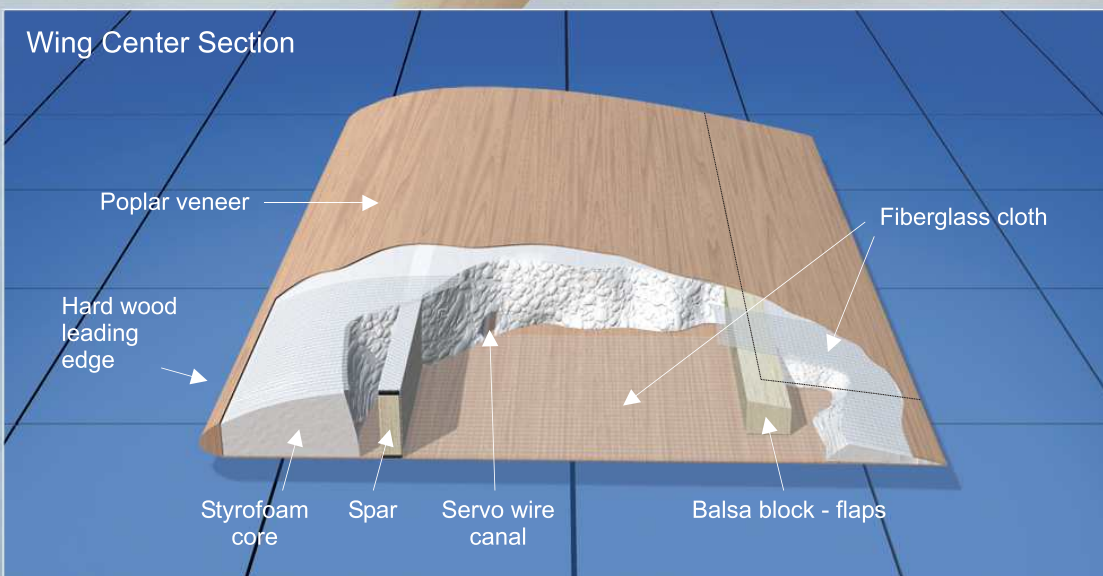


## Construction

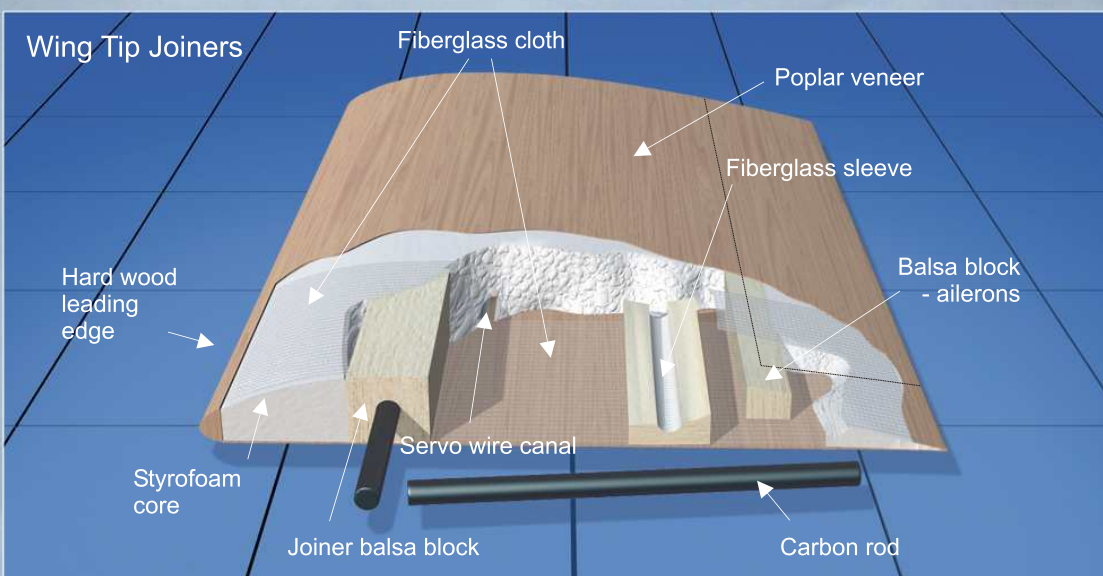
### Wing Spar



### Wing Center Section



### Wing Tip Joiners



Unique Art Hobby design, 3-segment wing joined with carbon fiber rods.  
(Picture: Serenity 2.5M - wing example)



### Vertical Stabilizer

construction: Glass composite reinforced with carbon fiber, painted in mold.

### Rudder

construction: Veneer sheeted solid foam core with balsa LE and top and bottom edges.

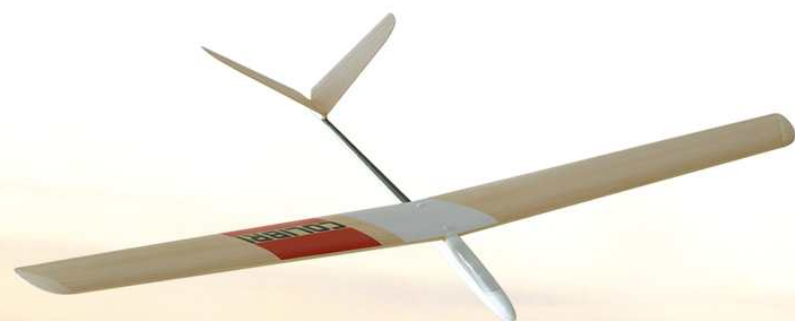
(Picture: vertical stabilizer with rudder High Aspect)

### V-tail

construction: Balsa stabilizers with prehinged elevators laminated with light fiberglass cloth.

(Picture: V-tail Evolution 2.5M - tail example)



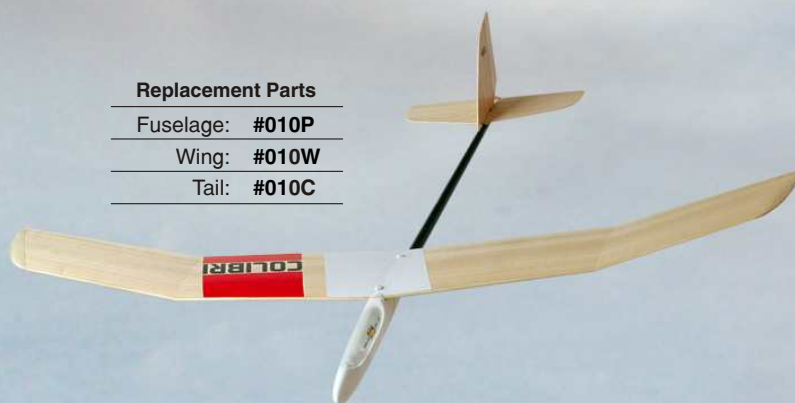


Replacement Parts	
Fuselage:	#010P
Wing:	#011W
Tail:	#011V

### Colibri-V 1M

### Colibri-S 1M

Mosquito class glider, specially dedicated for small fields, slopes and light lift conditions. Suitable for sling shot launching method.



Replacement Parts	
Fuselage:	#010P
Wing:	#010W
Tail:	#010C



Replacement Parts	
Fuselage:	#012P
Wing:	#011W
Tail:	#012D

### Bobolink-DL 1M

Discus launch version of the Colibri glider. Equipped with a balsa glass reinforced removable horizontal stabilizer. Its wing could also be built as a polyhedral version.

### Ghost 1.1M

Sturdy, light weight, hollow molded slope glider capable of high speed flying, aerobatic. It can be easily converted into an electro-glider.

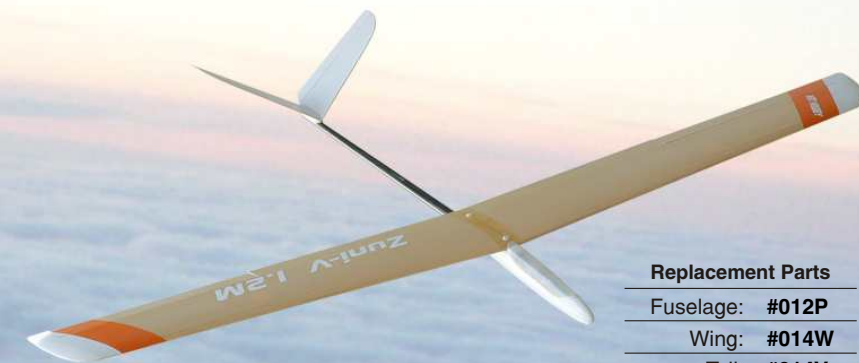


Replacement Parts	
Canopy:	#095A
Stabilizer:	#095S

### Zuni-V 1.2M

### Zuni-S 1.2M

Class glider specially dedicated for small fields, slopes and light lift conditions. Suitable for sling shot launching method.



Replacement Parts	
Fuselage:	#012P
Wing:	#014W
Tail:	#014V












Replacement Parts	
Fuselage:	#012P
Wing:	#013W
Tail:	#014V

### Zuni-DL 1.2M

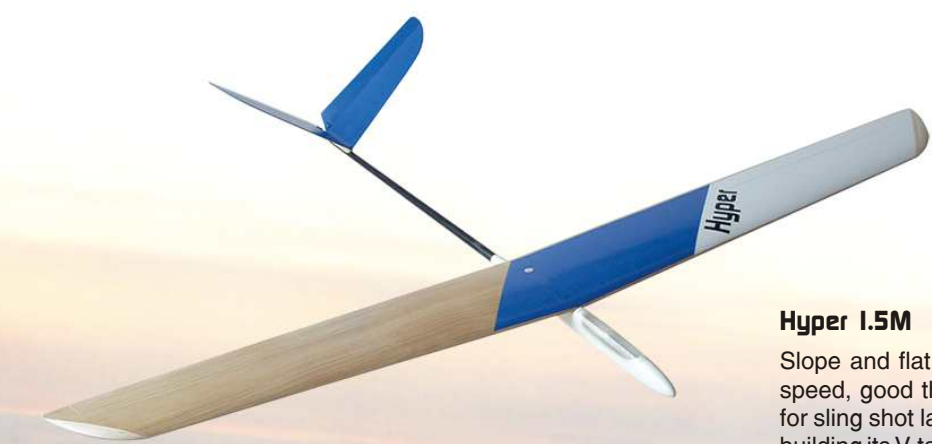
Discus launch version of the Zuni glider. Equipped with a balsa glass reinforced horizontal stabilizer and elevator. Its wing could also be built as a polyhedral version.



Replacement Parts	
Fuselage:	#012P
Wing:	#014W
Tail:	#014D

	#										
Colibri-S 1M	0010	1000 mm	750 mm	14,0 dm <sup>2</sup>	HN1033 mod.	130 g	2 ch.+	300 mAh NiMh		2-6 ch.	2 x (micro) HS-45HB; HS-55
Colibri-V 1M	0011	1000 mm	750 mm	14,0 dm <sup>2</sup>	HN1033 mod.	128 g	6 ch.+	300 mAh NiMh		5-6 ch.	3-4 x (micro) HS-45HB; HS-55
Bobolink-DL 1M	0012	1000 mm	780 mm	14,0 dm <sup>2</sup>	HN1033 mod.	137 g	6 ch.+	300 mAh NiMh		5-6 ch.	2-4 x (micro) HS-45HB; HS-55
Ghost 1.1M	0095	1100 mm	560 mm	18,0 dm <sup>2</sup>	EH1.0/9 mod.	320 g	6 ch.+	300-750 mAh NiMh		5-6 ch.	2 x (micro) HS-65HB; HS-65MG
Zuni-S 1.2M	0013	1200 mm	790 mm	15,9 dm <sup>2</sup>	HN1033 mod.	156 g	2 ch.+	300 mAh NiMh		2-6 ch.	2 x (micro) HS-45HB; HS-55
Zuni-V 1.2M	0014	1200 mm	790 mm	15,9 dm <sup>2</sup>	HN1033 mod.	154 g	6 ch.+	300 mAh NiMh		5-6 ch.	3-4 x (micro) HS-45HB; HS-55
Zuni-DL 1.2M	0019	1200 mm	800 mm	15,9 dm <sup>2</sup>	HN1033 mod.	165 g	6 ch.+	300 mAh NiMh		5-6 ch.	2-4 x (micro) HS-45HB; HS-55





Replacement Parts	
Fuselage:	#015P
Wing:	#015W
Tail:	#015V

Hyper 1.5M

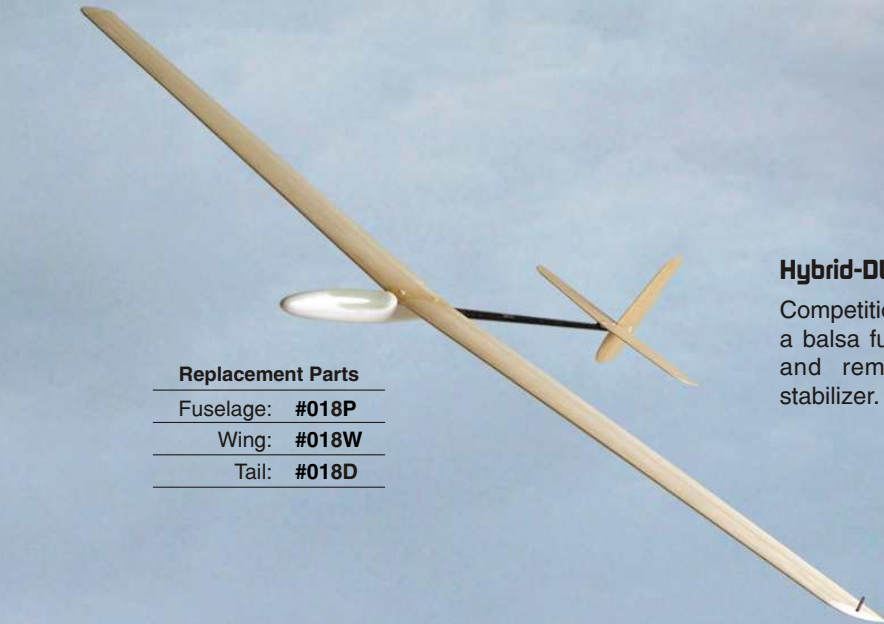
Slope and flat terrain glider with a wide range of speed, good thermal abilities, aerobatic. Suitable for sling shot launching method. With the option of building its V-tail removable.



Replacement Parts	
Fuselage:	#015P
Wing:	#015W
Tail:	#017D

Hyper-DL 1.5M

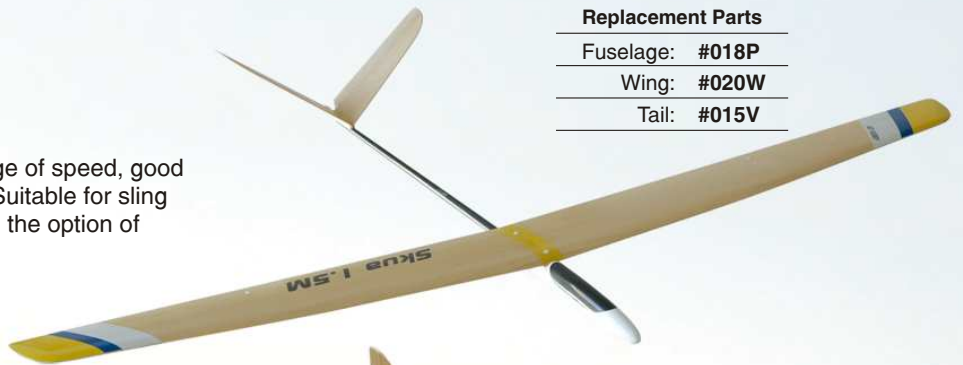
Discus launch version of the Hyper glider, good trainer. Equipped with a balsa glass reinforced removable horizontal stabilizer. Its wing could also be built as a polyhedral version.



Replacement Parts	
Fuselage:	#018P
Wing:	#018W
Tail:	#018D

Hybrid-DL 1.5M

Competition discus launched glider. Equipped with a balsa fully laminated vertical stabilizer, rudder, and removable glass reinforced horizontal stabilizer.



Replacement Parts	
Fuselage:	#018P
Wing:	#020W
Tail:	#015V

Skua 1.5M

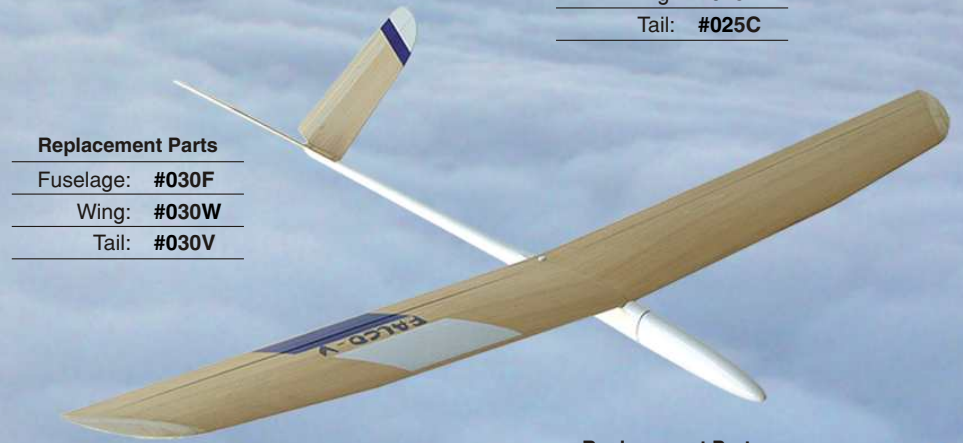
Slope glider with a wide range of speed, good thermal abilities, aerobatic. Suitable for sling shot launching method. With the option of building its V-tail removable.



Replacement Parts	
Fuselage:	#015P
Wing:	#015W
Tail:	#025C

Poly 1.5M

Thermal glider for small fields, low stall speed, especially suitable for low lift conditions, good trainer.



Replacement Parts	
Fuselage:	#030F
Wing:	#030W
Tail:	#030V

Falco 1.5M

Falco-V 1.5M

Slopes and flat terrains glider, a wide range of speed, aerobatic. Suitable for sling shot launching method. With removable tail that also could be attached permanently.



Replacement Parts	
Fuselage:	#030F
Wing:	#030W
Tail:	#031C

	#									
Hyper 1.5M	0015	1500 mm	935 mm	21,2 dm <sup>2</sup>	HN1033 mod.	220 g	6 ch.+	300 mAh NiMh		5-6 ch.
Hyper-DL 1.5M	0017	1500 mm	975 mm	21,2 dm <sup>2</sup>	HN1033 mod.	230 g	6 ch.+	300 mAh NiMh		4 x (micro) HS-45HB; HS-55
Hybrid-DL 1.5M	0018	1500 mm	1033 mm	20,5 dm <sup>2</sup>	JK7010 mod.	225 g	6 ch.+	300 mAh NiMh		4 x (micro) HS-45HB; HS-55
Skua 1.5M	0020	1500 mm	1020 mm	21,0 dm <sup>2</sup>	MH-32/30 mod.	240 g	6 ch.+	300-750 mAh NiMh		2 x (micro) HS-45HB; HS-55
Poly 1.5M	0025	1500 mm	925 mm	21,2 dm <sup>2</sup>	SD7080 mod.	225 g	2 ch.+	300 mAh NiMh		2-6 ch.
Falco 1.5M	0031	1500 mm	920 mm	24,8 dm <sup>2</sup>	HN1033 mod.	300 g	2 ch.+	300-750 mAh NiMh		2 x (micro) HS-45HB-HS-65HB
Falco-V 1.5M	0032	1500 mm	895 mm	24,8 dm <sup>2</sup>	HN1033 mod.	290 g	6 ch.+	300-750 mAh NiMh		3-4 x (micro) HS-45HB-HS-65HB





Replacement Parts	
Fuselage:	#018P
Wing:	#047W
Tail:	#047C

Sky 1.7M & Sky-C 1.7M

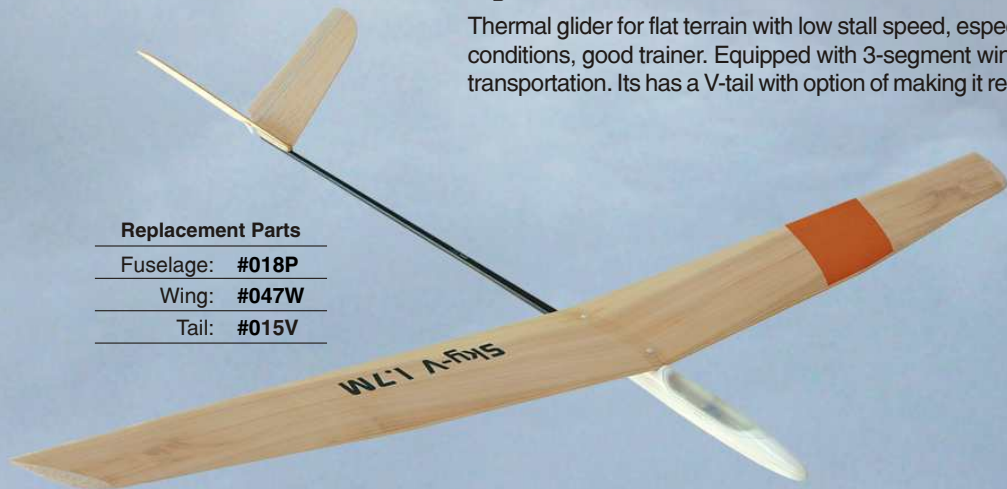
Thermal glider for flat terrain with low stall speed, especially suitable for low lift conditions, good trainer. Equipped with 3-segment wing for easy storage and transportation. It has balsa fully laminated tail with removable horizontal stabilizer.



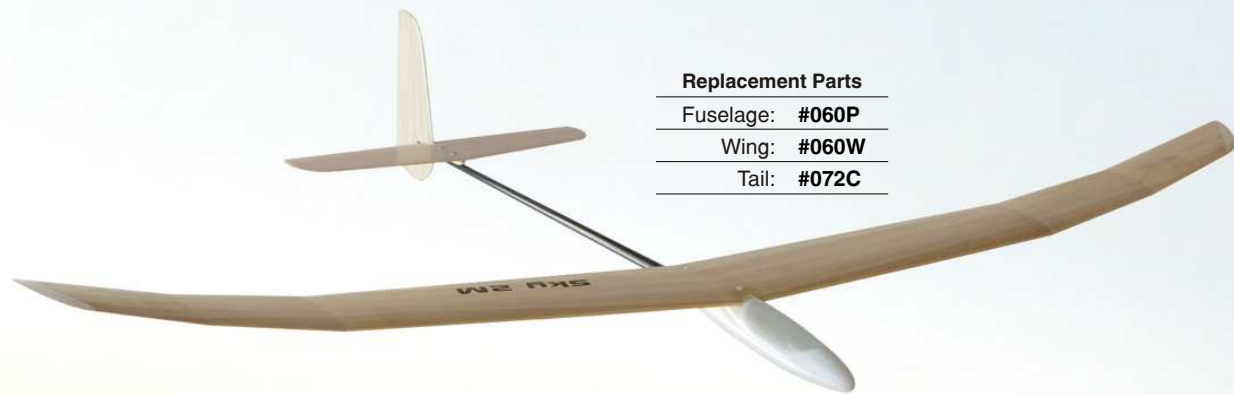
Replacement Parts	
Fuselage:	#018P
Wing:	#047W
Tail:	#047C

Sky-V 1.7M

Thermal glider for flat terrain with low stall speed, especially suitable for low lift conditions, good trainer. Equipped with 3-segment wing for easy storage and transportation. Its has a V-tail with option of making it removable.



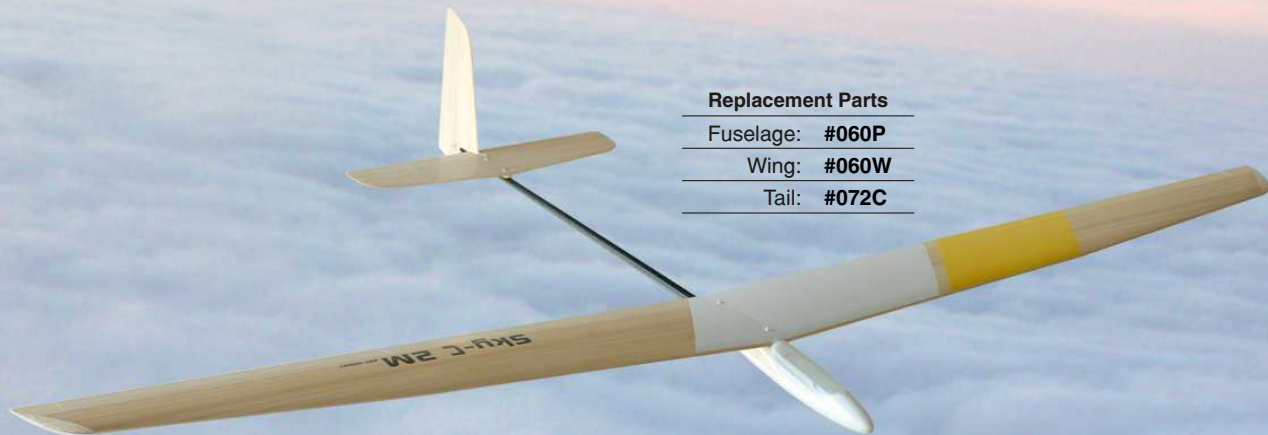
Replacement Parts	
Fuselage:	#018P
Wing:	#047W
Tail:	#015V



Replacement Parts	
Fuselage:	#060P
Wing:	#060W
Tail:	#072C

Sky 2M & Sky-C 2M

Thermal glider for flat terrain, low stall speed, especially suitable for low lift conditions. Equipped with 3-segment wing for easy storage and transportation. It has balsa fully laminated tail with removable horizontal stabilizer.



Replacement Parts	
Fuselage:	#060P
Wing:	#060W
Tail:	#072C

Sky-V 2M

Thermal glider for flat terrain, low stall speed, especially suitable for low lift conditions on the slope. Equipped with 3-segment wing for easy storage and transportation. Its has a V-tail with option of making it removable.



Replacement Parts	
Fuselage:	#060P
Wing:	#060W
Tail:	#070V

	#									
Sky 1.7M	0034	1700 mm	1080 mm	23,8 dm²	SD7080 mod.	320 g	2 ch.+	300-750 mAh NiMh	4-6 ch.	2 x (mini) HS-45HB-HS-65HB
Sky-C 1.7M	0033	1700 mm	1080 mm	23,8 dm²	SD7080 mod.	325 g	6 ch.+	750 mAh NiMh	5-6 ch.	4 x (mini) HS-45HB-HS-65HB
Sky-V 1.7M	0032	1700 mm	1040 mm	23,8 dm²	SD7080 mod.	310 g	6 ch.+	750 mAh NiMh	5-6 ch.	3-4 x (mini) HS-45HB-HS-65HB
Sky 2M	0062	2000 mm	1110 mm	31,2 dm²	SD7080 mod.	355 g	2 ch.+	750 mAh NiMh	4-6 ch.	2 x (mini) HS-45HB-HS-65HB
Sky-C 2M	0061	2000 mm	1110 mm	31,2 dm²	SD7080 mod.	360 g	6 ch.+	750 mAh NiMh	6 ch.	4 x (mini) HS-65HB-HS-82
Sky-V 2M	0060	2000 mm	1070 mm	31,2 dm²	SD7080 mod.	345 g	6 ch.+	750 mAh NiMh	6 ch.	3-4 x (mini) HS-65HB-HS-82

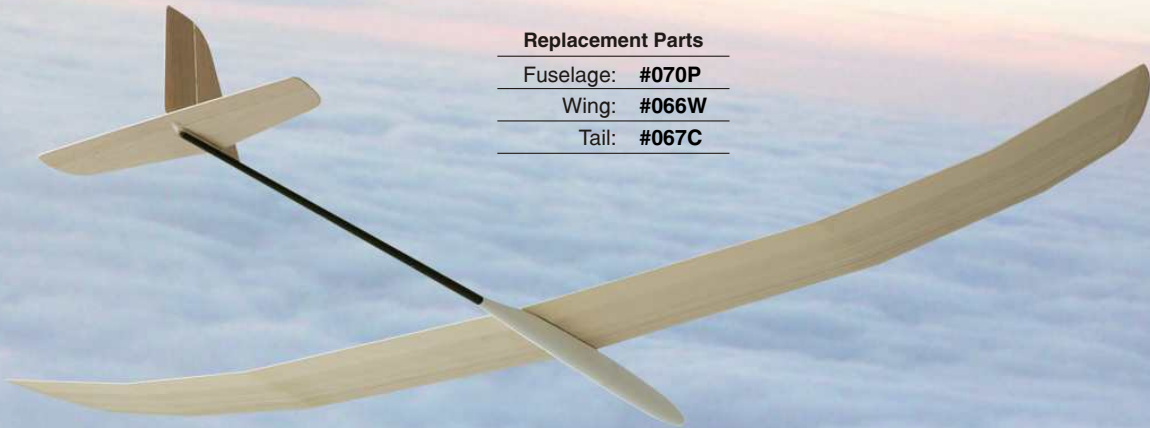




Replacement Parts	
Fuselage:	#070P
Wing:	#066W
Tail:	#070V

**Boar 2M**

A versatile glider for slope and flat terrain with a wide range of speed, good for low lift conditions. Equipped with 3-segment wing for easy storage and transportation. Its has a V-tail with option of making it removable. Recommended for high start launching.



Replacement Parts	
Fuselage:	#070P
Wing:	#066W
Tail:	#067C

**Boar-RES 2M**










Light weight thermal glider with a wide range of speed. Equipped with 3-segment wing for easy storage and transportation. Recommended for high start launching.



Replacement Parts	
Fuselage:	#070P
Wing:	#066W
Tail:	#067C

**Boar-C 2M**

A versatile glider for flat terrains with a wide range of speed, good for low lift conditions. Equipped with 3-segment wing for easy transportation and storage. Recommended for high start launching.

	#										
Boar 2M	0066	2000 mm	1110 mm	33,7 dm <sup>2</sup>	HN1033 mod.	360 g	6 ch.+	750 mAh NiMh		5-6 ch.	3-4 x (micro/mini) HS-65HB-HS-82
Boar-C 2M	0067	2000 mm	1100 mm	33,7 dm <sup>2</sup>	HN1033 mod.	360 g	6 ch.+	750 mAh NiMh		5-6 ch.	4 x (micro/mini) HS-65HB-HS-82
Boar-RES 2M	0068	2000 mm	1100 mm	33,7 dm <sup>2</sup>	HN1033 mod.	360 g	4 ch.+	750 mAh NiMh		4-6 ch.	2-4 x (micro/mini) HS-65HB-HS-82

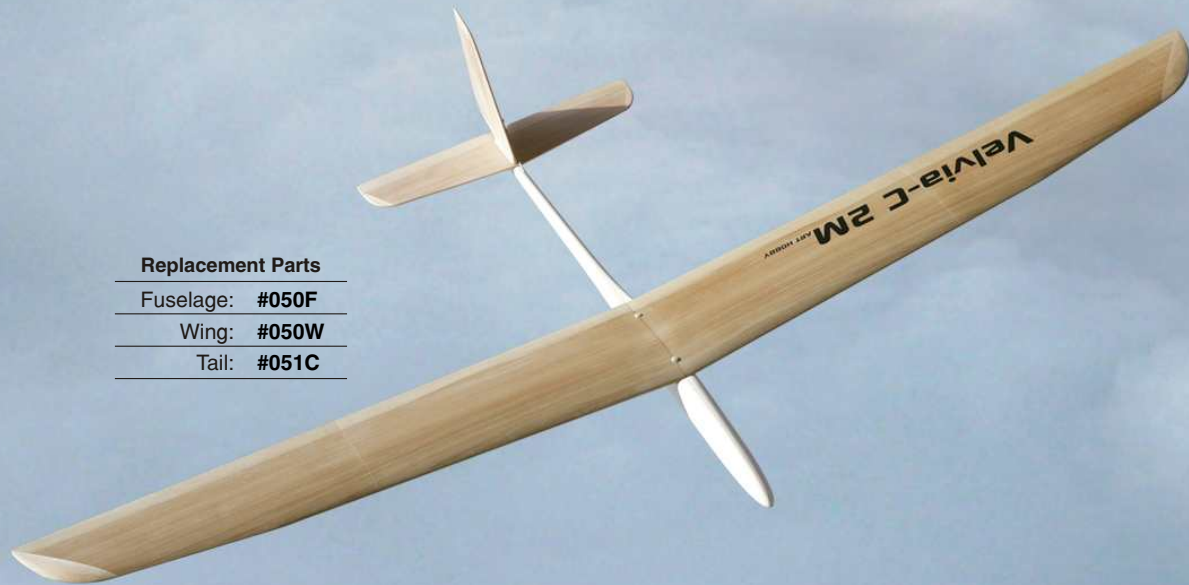




Replacement Parts	
Fuselage:	#050F
Wing:	#050W
Tail:	#051C

Velvia 2M & Velvia-C 2M

Sturdily built, 2-meter Class glider with good thermal abilities in different weather conditions, good trainer. Equipped with 3-segment wing for easy storage and transportation that could be built with ailerons only with ailerons and flaps or as a polyhedral. With removable tail that also could be attached permanently.



Replacement Parts	
Fuselage:	#050F
Wing:	#050W
Tail:	#051C



Replacement Parts	
Fuselage:	#050F
Wing:	#050W
Tail:	#050V

Velvia-V 2M

Sturdily built, 2-meter Class glider with good thermal abilities in different weather conditions, good trainer. Equipped with 3-segment wing for easy storage and transportation that could be built with ailerons and flaps or with ailerons only. With removable balsa V-tail that also could be attached permanently.

Evolution 2.5M

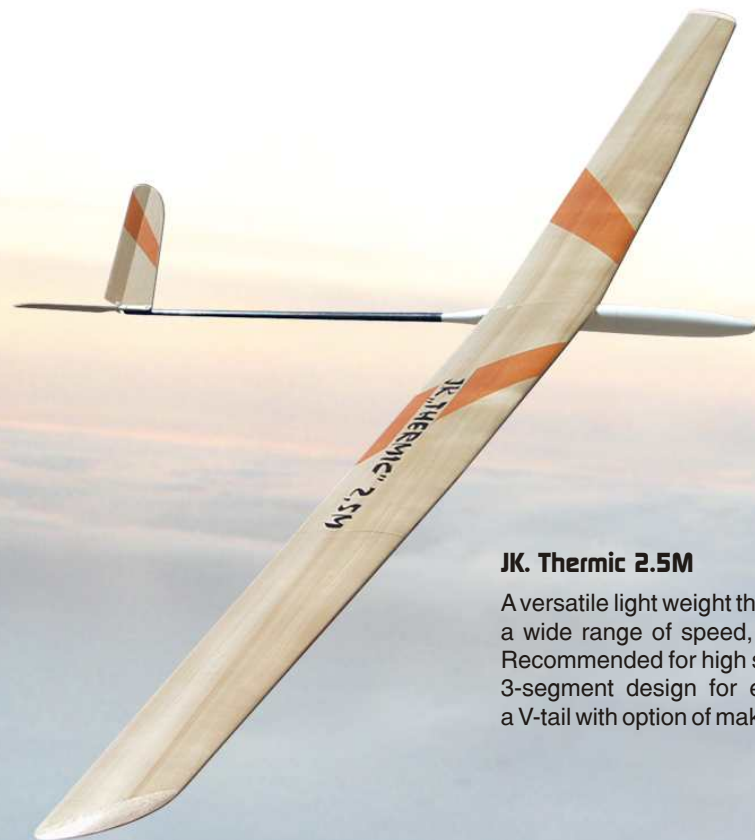
Specially designed very efficient glider for slope and flat terrain. Due to its strong airframe and wing modified airfoil it's capable of high speed flying, and is fully aerobatic. Equipped with 3-segment wing for easy storage and transportation that could be built with ailerons and flaps or with ailerons only. It has a removable balsa-laminated V-tail that also could be attached permanently. Recommended to be launched with high start system or moderate power winch.



Replacement Parts	
Fuselage:	#073P
Wing:	#073W
Tail:	#073V

	#										
Velvia 2M	0052	2000 mm	1120 mm	37,5 dm²	SD7037 mod.	555 g	2 ch.+	750-1000 mAh NiMh		4-6 ch.	4-6 x (mini) HS-65HB-HS-81
Velvia-C 2M	0051	2000 mm	1120 mm	37,5 dm²	SD7037 mod.	555 g	6 ch.+	750-1000 mAh NiMh		6 ch.	4-6 x (mini) HS-65HB-HS-85MG
Velvia-V 2M	0050	2000 mm	1120 mm	37,5 dm²	SD7037 mod.	550 g	6 ch.+	750-1000 mAh NiMh		6 ch.	4-6 x (mini) HS-65HB-HS-85MG
Evolution 2.5M	0073	2500 mm	1290 mm	42,9 dm2	MH32/30 mod.	520 g	6 ch.+	750-1100 mAh NiMh		6-7 ch.	4-6 x (mini) HS-65HB/MG-HS-82MG





Replacement Parts	
Fuselage:	<b>#070P</b>
Wing:	<b>#070W</b>
Tail:	<b>#070V</b>

**JK. Thermic 2.5M**  
A versatile light weight thermal glider for flat terrains and slopes with a wide range of speed, especially suitable for low lift conditions. Recommended for high start launching. Equipped with aileron wing 3-segment design for easy storage and transportation. It has a V-tail with option of making it removable.



Replacement Parts	
Fuselage:	<b>#054F</b>
Wing:	<b>#054W</b>
Tail:	<b>#055V</b>

**Thermic-RES 2.5M**  
Very efficient light weight competition thermal glider with a wide range of speed. Recommended for high start launching. Equipped with 3-segment wing for easy storage and transportation. It has balsa fully laminated tail with removable horizontal stabilizer.



Replacement Parts	
Fuselage:	<b>#070P</b>
Wing:	<b>#070W</b>
Tail:	<b>#072C</b>

**Sierra-S 2.5M**  
A versatile slope glider with a wide range of speed, good thermal abilities in different weather conditions and fully aerobatic. Equipped with 3-segment wing for easy storage and transportation that could be built with ailerons and flaps or with ailerons only. It has removable veneer sheeted solid foam core V-tail that also could be attached permanently.

	#									
JK.Thermic 2.5M	0070	2500 mm	1160 mm	40,2 dm <sup>2</sup>	HN1033 mod.	476 g	6 ch.+	750 mAh NiMh	6 ch.	3-4 x (micro/mini) HS-65HB/MG-HS-82MG-HS-125MG
Thermic-RES 2.5M	0072	2500 mm	1160 mm	40,2 dm <sup>2</sup>	HN1033 mod.	476 g	4 ch.+	750 mAh NiMh	6 ch.	2-4 x (micro/mini) HS-56HB-HS-65HB
Sierra-S 2.5M	0054	2500 mm	1230 mm	47,0 dm <sup>2</sup>	RG15 mod.	795 g	6 ch.+	1100-1600 mAh NiMh	6 ch.	4-6 x (mini) HS-65HB/MG-HS-85MG

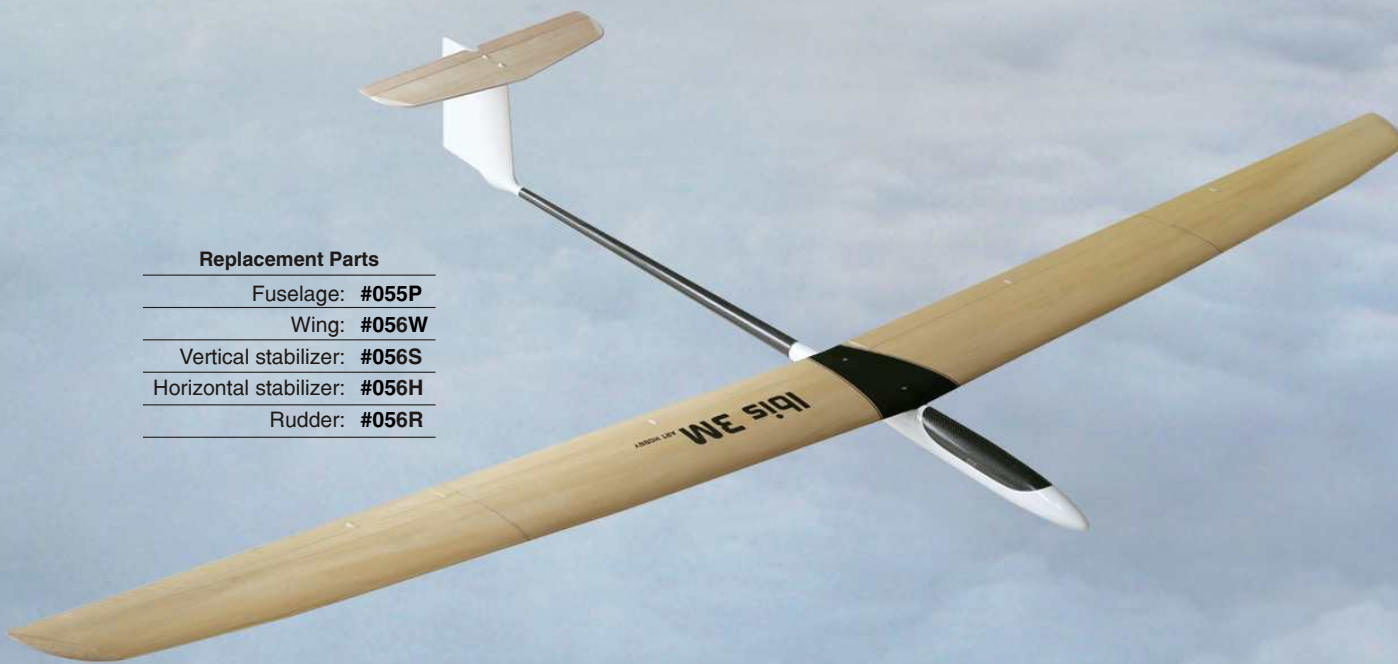




Replacement Parts	
Fuselage:	#055P
Wing:	#055W
Tail:	#055V

Serenity 2.5M

Competition F3F Class slope glider, sturdily built with a wide range of speed, fully aerobatic. Equipped with 3-segment wing for easy storage and transportation that could be built with ailerons and flaps or with ailerons only. It has removable veneer sheeted solid foam core V-tail that also could be attached permanently.



Replacement Parts	
Fuselage:	#055P
Wing:	#056W
Vertical stabilizer:	#056S
Horizontal stabilizer:	#056H
Rudder:	#056R

Ibis 3M

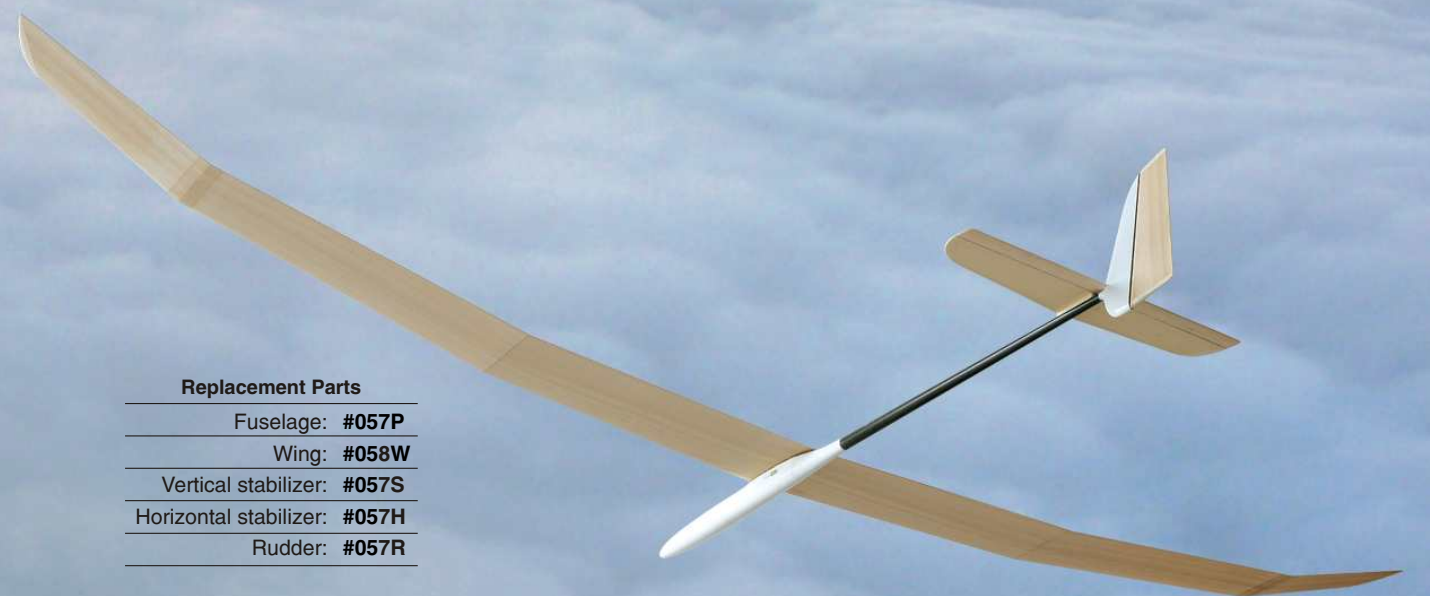
A versatile very stable glider with great thermal abilities and a wide speed range, fully aerobatic. Recommended to be launched with high start system or moderate power winch. Equipped with 3-segment wing for easy storage and transportation that could be built with ailerons and flaps or with ailerons only. It has a removable veneer sheeted solid foam core, horizontal stabilizer and rudder. Removable rudder provides easy access to the elevator servo mounted inside of the vertical stabilizer.



Replacement Parts	
Fuselage:	#057P
Wing:	#057W
Vertical stabilizer:	#057S
Horizontal stabilizer:	#057H
Rudder:	#057R

High Aspect 3.1M

Very efficient and accomplished thermal glider with a wide range of speed. Highly recommended for F3J competition when flying in low lift conditions. Equipped with 3-segment wing for easy storage and transportation that could be built with ailerons and flaps or with ailerons only. It has veneer sheeted solid foam core rudder and removable horizontal stabilizer. Recommended to be launched with high start system or moderate power winch.



Replacement Parts	
Fuselage:	#057P
Wing:	#058W
Vertical stabilizer:	#057S
Horizontal stabilizer:	#057H
Rudder:	#057R

High Aspect-RES 3.1M

Very efficient thermal glider with a wide range of speed. Popularly used in RES class. Highly recommended for low lift conditions. Equipped with 3-segment wing for easy storage and transportation that could be built with ailerons and flaps or with ailerons only. It has veneer sheeted solid foam core rudder and removable horizontal stabilizer. Recommended to be launched with high start system or moderate power winch.

	#										
Serenity 2.5M	0055	2500 mm	1350 mm	48,6 dm <sup>2</sup>	MS1.8/9 mod.	800 g	6 ch.+	1100-1600 mAh NiMh		6-8 ch.	4-6 x (micro/mini) HS-65HB-HS-85MG
Ibis 3M	0056	3000 mm	1400 mm	52,0 dm <sup>2</sup>	SD7080 mod.	930 g	6 ch.+	1100-1600 mAh NiMh		6-7 ch.	4-6 x (mini) HS-65HB-HS-85MG
High Aspect 3.1M	0057	3100 mm	1630 mm	53,6 dm <sup>2</sup>	SD7080 mod.	860 g	6 ch.+	1100-1600 mAh NiMh		6-7 ch.	4-6 x (mini) HS-65HB-HS-85MG
High Aspect-RES 3.1M	0058	3100 mm	1630 mm	53,6 dm <sup>2</sup>	SD7080 mod.	850 g	4 ch.+	750-1100 mAh NiMh		4-6 ch.	2-4 x (mini) HS-65HB/MG-HS-82MG





Alpha-E 1M

Very light weight electro-glider with a wide range of speed, aerobatic, good thermal abilities, especially suitable for low lift conditions. Recommended to be powered with light weight outrunner motor 250 - 500 g of thrust.

Replacement Parts	
Fuselage:	#041F
Wing:	#041W
Tail:	#041T



Replacement Parts	
Canopy:	#095A
Stabilizer:	#095S

Ghost-E 1.1M

Sturdy, light weight, hollow molded electro-glider capable of high speed flying, fully aerobatic. Recommended to be powered with outrunner motor 700 - 900 g of thrust.

Hybrid-E 1.5M

Very light weight electro-glider with a wide range of speed, aerobatic, especially suitable for low lift conditions. Recommended to be powered with light weight outrunner motor 350 - 500 g of thrust.



Replacement Parts	
Fuselage:	#040P
Wing:	#018W
Tail:	#015V













Replacement Parts	
Fuselage:	#081F
Wing:	#015W
Tail:	#015V

Agena-E 1.5M & Agena-ES 1.5M

Light weight electro-glider, sport flyer with a wide range of speed, good thermal abilities, aerobatic. Recommended to be powered with outrunner motor 350 - 900 g of thrust.



Replacement Parts	
Fuselage:	#081F
Wing:	#026W
Tail:	#015V

	#										
Alpha-E 1M	0041	1000 mm	645 mm	14,1 dm <sup>2</sup>	HN1033 mod.	135 g	4 ch.+	7x4-8x4,5-9x5	BLX-22/13-BLX-22/18	900-950 mAh, 3 cel LiPo	2-4x(mic.) HS-45HB
Ghost-E 1.1M	0096	1100 mm	560 mm	18,0 dm <sup>2</sup>	EH1.09 mod.	315 g	4 ch.+	5x5,5-6x5,5	PJS-400	2100-2500 mAh, 3 cel LiPo	2x(mic./mini) HS-65HB
Hybrid-E 1.5M	0040	1500 mm	1005 mm	20,5 dm <sup>2</sup>	JK1070 mod.	215 g	6 ch.+	8x4,5-9x5	BLX-22/13	700-910 mAh, 3 cel LiPo	3-4x(mic./mini) HS-45-HS65HB
Agena-EV 1.5M	0081	1500 mm	1020 mm	21,0 dm <sup>2</sup>	MH32/30 mod.	245 g	6 ch.+	8x4,5-11,5x6	PJS-700-900ART	700-1100 mAh, 3 cel LiPo	3-4x(mic./mini) HS-45-HS65HB
Agena-ES 1.5M	0082	1500 mm	1020 mm	21,2 dm <sup>2</sup>	HN1033 mod.	245 g	6 ch.+	8x4,5-11,5x6	PJS-700-900ART	700-1100 mAh, 3 cel LiPo	3-4x(mic./mini) HS-45-HS65HB



Sky-EV 1.7M

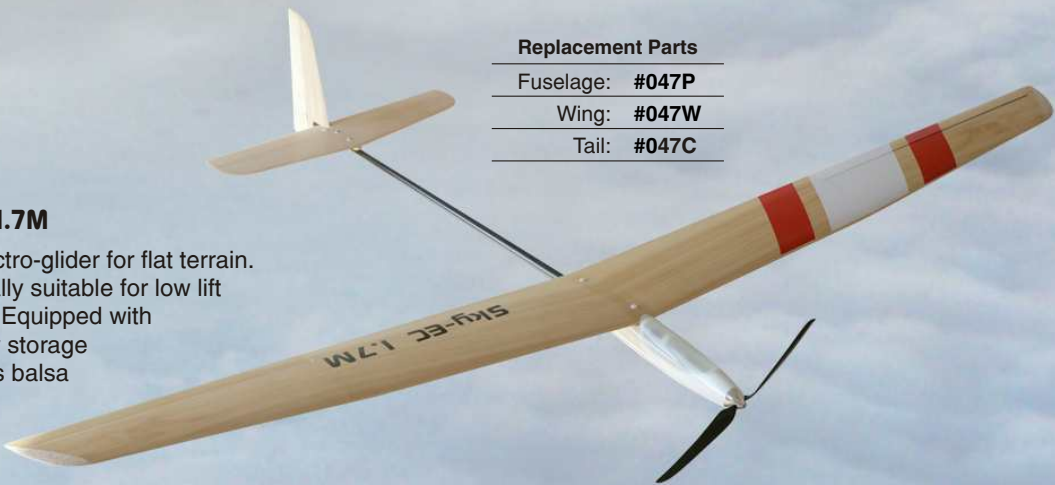
Light weight thermal electro-glider for flat terrain. Low stall speed, especially suitable for low lift conditions. Equipped with 3-segment wing for easy storage and transportation. Its has a V-tail with option of making it removable. Recommended to be powered with outrunner motor 700 - 900 g of thrust.



Replacement Parts	
Fuselage:	#047P
Wing:	#047W
Tail:	#015V

Sky-E 1.7M & Sky-EC 1.7M

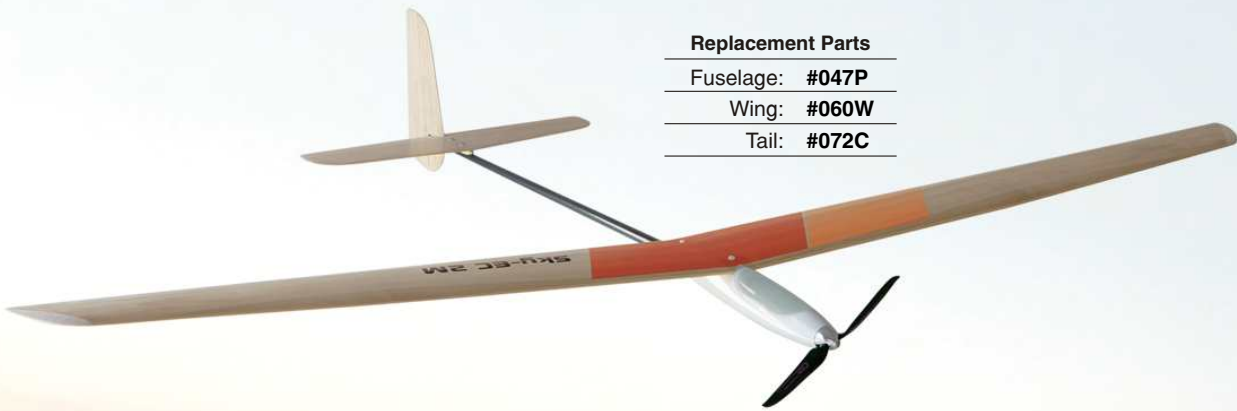
Light weight thermal electro-glider for flat terrain. Low stall speed, especially suitable for low lift conditions, good trainer. Equipped with 3-segment wing for easy storage and transportation. It has balsa fully laminated tail with removable horizontal stabilizer. Recommended to be powered with outrunner motor 700 - 900 g of thrust.



Replacement Parts	
Fuselage:	#047P
Wing:	#047W
Tail:	#047C



Replacement Parts	
Fuselage:	#047P
Wing:	#047W
Tail:	#047C



Replacement Parts	
Fuselage:	#047P
Wing:	#060W
Tail:	#072C

Sky-E 2M & Sky-EC 2M

Light weight thermal electro-glider for flat terrain. Especially suitable for low lift conditions, good trainer. Equipped with 3-segment wing for easy storage and transportation. It has balsa fully laminated tail with removable horizontal stabilizer. Recommended to be powered with outrunner motor 700 - 1200 g of thrust.














Replacement Parts	
Fuselage:	#047P
Wing:	#060W
Tail:	#072C

Replacement Parts	
Fuselage:	#047P
Wing:	#060W
Tail:	#070V



Sky-EV 2M

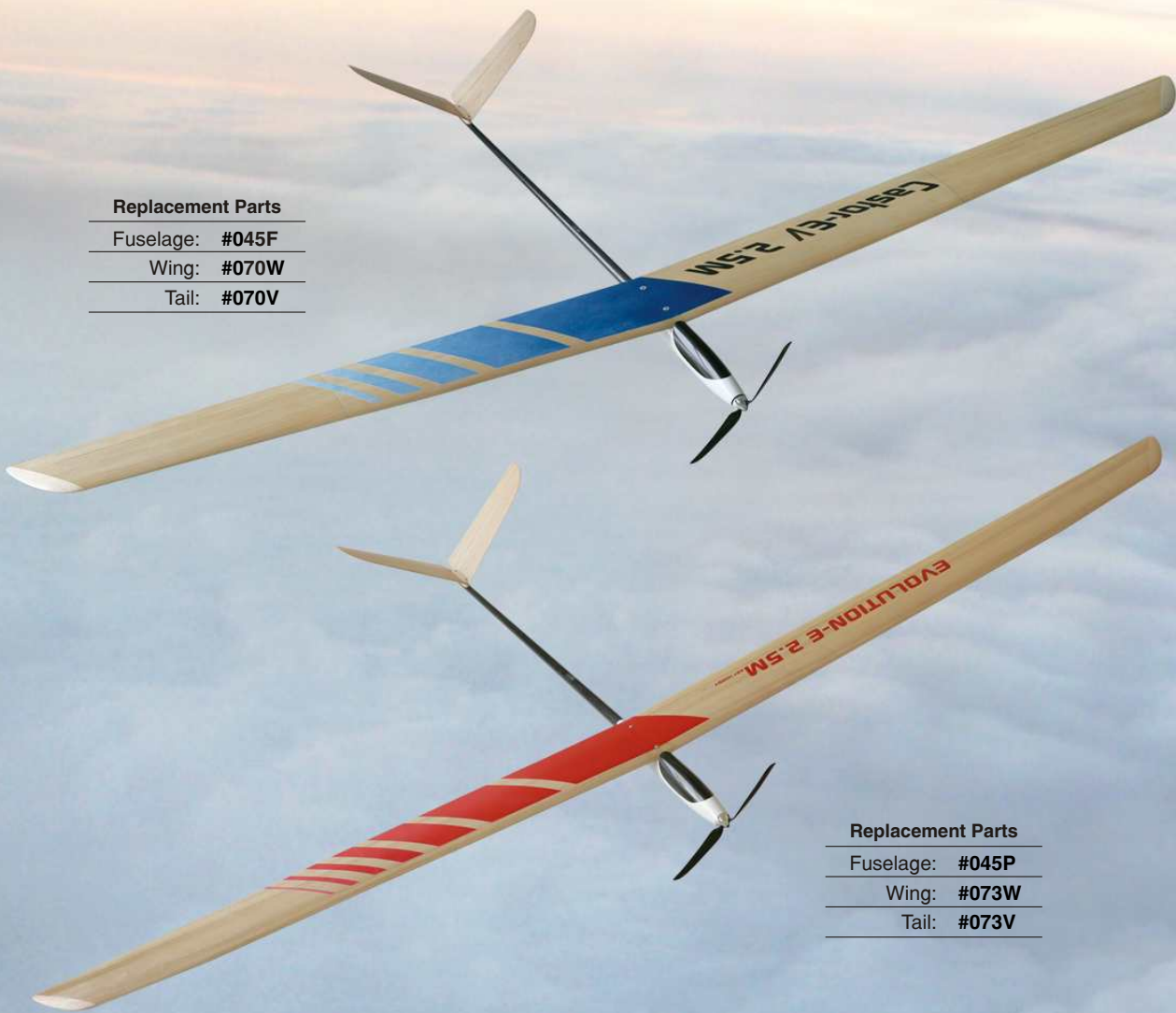
Light weight thermal electro-glider for flat terrain. Sport flyer, especially suitable for low lift conditions. Equipped with 3-segment wing for easy storage and transportation. Its has a V-tail with option of making it removable. Recommended to be powered with outrunner motor 900 - 1200 g of thrust.

	#												
Sky-E 1.7M	0049	1700 mm	1080 mm	23,8 dm²	SD7080 mod.	320 g	4 ch.+			12x6-12,5x6	PJS-700ART	700-950 mAh, 3 cel LiPo	2x(mic./mini) HS-45-HS65HB
Sky-EV 1.7M	0047	1700 mm	1060 mm	23,8 dm²	SD7080 mod.	310 g	6 ch.+			11,5x6-12,5x6	PJS-700-900ART	950-1100 mAh, 3 cel LiPo	3-4x(mic./mini) HS-45-HS65HB
Sky-EC 1.7M	0048	1700 mm	1080 mm	23,8 dm²	SD7080 mod.	325 g	6 ch.+			11,5x6-12,5x6	PJS-700-900ART	950-1100 mAh, 3 cel LiPo	3-4x(mic./mini) HS-45-HS65HB
Sky-E 2M	0080	2000 mm	1110 mm	31,2 dm²	SD7080 mod.	355 g	4 ch.+			11,5x6-12,5x6	PSJ-900-1200ART	950-1600 mAh, 3 cel LiPo	2x(mic./mini) HS-45HB-HS-65HB
Sky-EV 2M	0084	2000 mm	1070 mm	31,2 dm²	SD7080 mod.	345 g	6 ch.+			12x6-12,5x6	PSJ-1200ART	950-1600 mAh, 3 cel LiPo	3-4x(mic./mini) HS-45HB-HS-82
Sky-EC 2M	0085	2000 mm	1110 mm	31,2 dm²	SD7080 mod.	360 g	6 ch.+			12x6-12,5x6	PSJ-1200ART	950-1600 mAh, 3 cel LiPo	3-4x(mic./mini) HS-45HB-HS-82



Castor-EV 2.5M

A versatile light weight, thermal electro-glider with a wide range of speed. Especially suitable for low lift conditions. Equipped with aileron wing 3-segment design for easy storage and transportation. Its has a V-tail with option of making it removable. Its wing could also be built as a polyhedral version and V-tail replaced with classic tail. Recommended to be powered with outrunner motor 1200 - 1400 g of thrust.



Replacement Parts	
Fuselage:	#045F
Wing:	#070W
Tail:	#070V

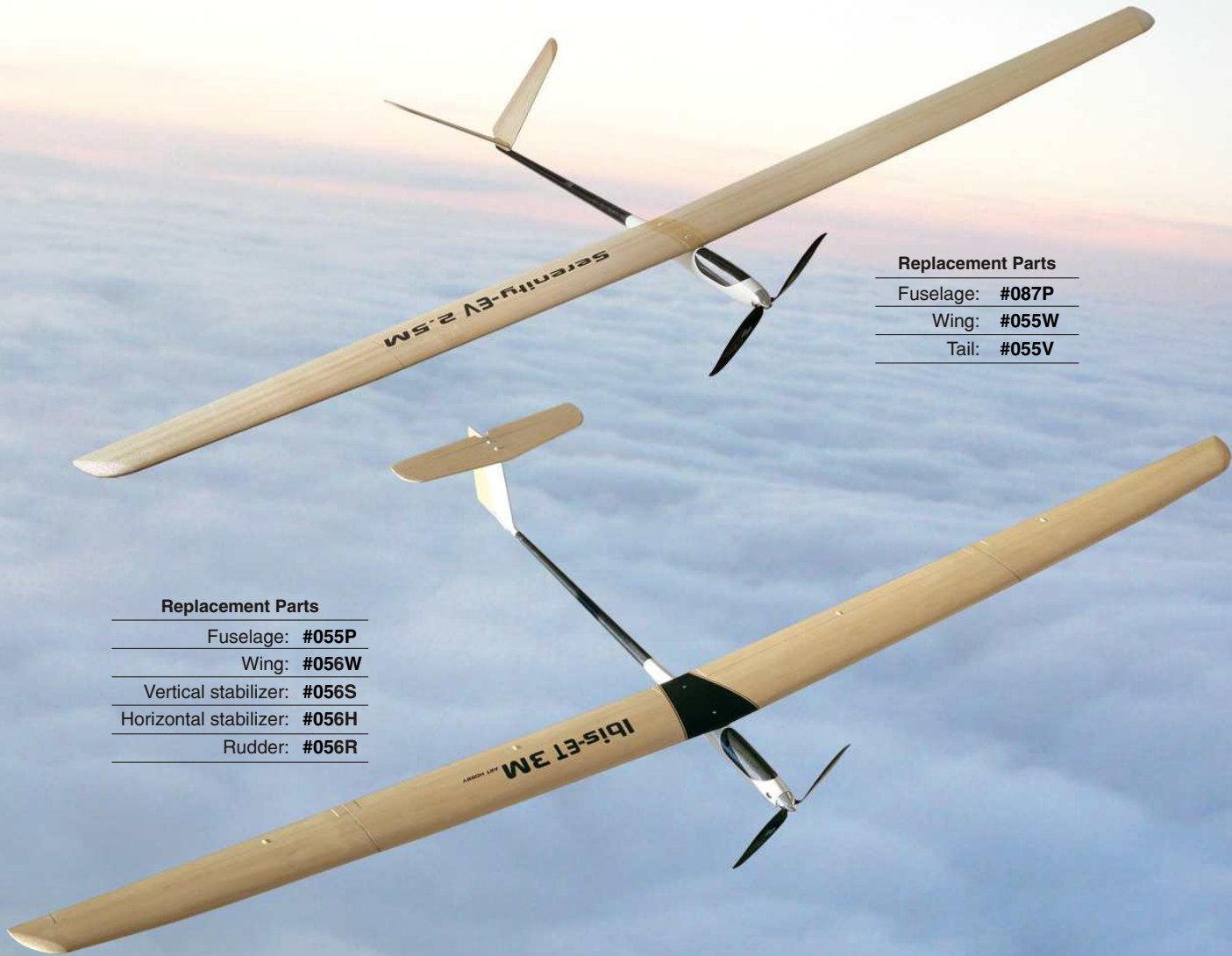
Replacement Parts	
Fuselage:	#045P
Wing:	#073W
Tail:	#073V

Evolution-EV 2.5M

Specially designed very efficient electro-glider. Due to its strong airframe and wing modified airfoil it's capable of high speed flying, fully aerobatic. Equipped with 3-segment wing for easy storage and transportation that could be built with ailerons and flaps or with ailerons only. It has a removable balsa-laminated V-tail that also could be attached permanently. Recommended to be powered with outrunner motor 1200 - 1400 g of thrust.

Serenity-EV 2.5M

Sturdily built electro-glider with a wide range of speed, capable of high speed flying, fully aerobatic. Equipped with 3-segment wing for easy storage and transportation that could be built with ailerons and flaps or with ailerons only. It has removable veneer sheeted solid foam core V-tail that also could be attached permanently. Recommended to be powered with drive system 1400 - 2500 g of thrust.



Replacement Parts	
Fuselage:	#087P
Wing:	#055W
Tail:	#055V

Replacement Parts	
Fuselage:	#055P
Wing:	#056W
Vertical stabilizer:	#056S
Horizontal stabilizer:	#056H
Rudder:	#056R

Ibis-ET 3M

A versatile electro-glider very stable with great thermal abilities and a wide speed range, fully aerobatic. Equipped with 3-segment wing for easy storage and transportation that could be built with ailerons and flaps or with ailerons only. It has a removable veneer sheeted solid foam core, horizontal stabilizer and rudder. Removable rudder provides easy access to the elevator servo mounted inside of the vertical stabilizer. Recommended to be powered with drive system 1900 - 2500 g of thrust.

	#										
Castor-EV 2.5M	0086	2500 mm	1235 mm	40,2 dm²	HN1033 mod.	520 g	6 ch.+	12x6-12,5x6	PSJ-1400ART	1600-2500 mAh, 3 cel LiPo	3-4x(mic./mini) HS-65HB-HS-82
Evolution-EV 2.5M	0045	2500 mm	1290 mm	42,9 dm²	MH32/30 mod.	575 g	6 ch.+	12x6-12,5x6	PSJ-1400ART	1600-2500 mAh, 3 c. LiPo	4-6x(mini) HS-65HB-HS-125MG
Serenity-EV 2.5M	0087	2500 mm	1340 mm	48,6 dm²	MS1.8/8.7 mod.	775 g	6 ch.+	13x7-15x10	PSJ-2500ART/KIRA 480-31/5.2:1	2500-4000 mAh, 3 c. LiPo	4-6x(mini) HS-65HB-HS-85MG
Ibis-ET 3M	0089	3000 mm	1390 mm	52,0 dm²	SD7080 mod.	925 g	6 ch.+	13x7-16x8	PSJ-2500ART/KIRA 480-31/5.2:1	3200-4000 mAh, 3 c. LiPo	4-6x(mini) HS-65HB-HS-85MG





Replacement Parts	
Fuselage:	#088P
Wing:	#057W
Vertical stabilizer:	#057S
Horizontal stabilizer:	#057H
Rudder:	#057R

High Aspect-ES 3.1M

Very efficient thermal electro-glider with a wide range of speed, suitable for low lift conditions. Equipped with 3-segment wing for easy storage and transportation that could be built with ailerons and flaps, with ailerons only or build as a polyhedral wing. It has veneer sheeted solid foam core rudder, a removable horizontal stabilizer. Recommended to be powered with drive system 1900 - 2500 g of thrust.

Finishing Wood Surfaces

To prevent the wood from pre-mature aging, stains and moisture damage, we recommend sealing the wing wood veneer and tail surfaces using lacquer.

Lacquer is the finish of our choice, because it is the lightest type of finish, easy to apply, fast to work with, and brings out the natural beauty of the finished wood. In our opinion the „Satin” or „Semi gloss” type of lacquer will provide the best finish.

During the manufacturing process the black poplar veneer wing skins (~0.4 mm thick) first have sealed undersurface then are laminated with epoxy to the wing foam cores. This process is providing a barrier preventing harsh lacquer thinner from penetrating inside.

*(Prior to using lacquer, any exposed white foam surface should be glassed over with light weight fiberglass cloth as described in glider manuals, also all small surfaces like both sides of the ailerons/flaps ends have to be sealed by applying a film like thin coat of epoxy).*









To achieve best finish we recommend to apply first lacquer primer by brushing on one or two light coats. This way lacquer thinner evaporates very fast and does not have time to cause any harm to the wing foam cores also the lacquer primer has more body in it so it will fill tiny crevices up faster and any natural imperfections in the wood surface.

After applying the first and second light coats, sand the surface using 400 grid sand paper, then spray on a light 3-rd, 4-th coats, or more if desired. Use as little as possible to keep the weight down.

Color Option:

After wing is completely finished with lacquer then it can be masked, and color stripes or any other custom patterns could be sprayed on. Wide color contrasting stripes on the bottom side of the wing will give the glider some accent and especially provide modeler/pilot with better visual contact during flight.



	#						
High Aspect-ES 3.1M	0088	3100 mm	1545 mm	53,6 dm <sup>2</sup>	SD7080 mod.	860 g	6 ch.+
							
	13x7-16x8	PSJ-2500ART/KIRA 480-31/5.2:1		2500-4000 mAh, 3 c. LiPo		4-6x(mini) HS-65HB-HS-85MG	



## Gliders Accessories



A0009



A0010



A0011



A0012



A0013



A0033



A0034



A0035



A0036



A0014



A0015



A0016



A0017



A0037



A0038



A0039



A0040



A0044



A0018



A0019



A0020



A0021



A0046



A0047



A0050



A0060



A0022



A0023



A0024



A0025 & 0026 & 0027



A0029



A0030



A0031



A0032

- A0009 Control horn 5 mm (elevator T-tail only)
- A0010 Control horns 8 mm (set of 2 - L&R for 1M-1.5M gliders)
- A0011 Control horns 10 mm (set of 2 - L&R)
- A0012 Control horns 6 mm (set of 2)
- A0013 Control horns 11 mm (set of 2)
- A0014 V-tail control horns 9 mm (set of 2 L&R for 1M-2M gliders)
- A0015 V-tail control horns 11 mm (set of 2 L&R for 2M-3M gliders)
- A0016 Mount clip, M2 bolt & nylon ret. for carb. tail boom (set of 2)
- A0017 V-tail mount set (small) for carbon tail boom
- A0018 V-tail mount set (large) for carbon tail boom
- A0019 Classic tail mount (small) for carbon tail boom
- A0020 Classic tail mount (large) for carbon tail boom
- A0021 Horizontal stabilizer mount set for carbon tail boom (DLG)
- A0022 Nylon retainers & M2 screws for horizontal stabilizer DLG (set of 2)
- A0023 Nylon retainers & M3 bolts for horizontal stabilizer (set of 2)
- A0024 Retainer plate, glass-comp. & M3 bolts for H-stab & V-tail (set of 2)
- A0025 Push rod - steel 0.6 mm ultra lightweight (Colibri)
- A0026 Push rod - steel 0.8 mm ultra lightweight tube (most gliders)
- A0027 Push rod - steel 0.8 mm & ultra ligh tweight tube, 1.5 m long

- A0029 Adjustable pushrod mount for servo arm
- A0030 Air vent-fearing (set of 2) glass composite, ultra light weight (fits all 2M - 3.1M electro-gliders)
- A0031 Universal wing servo cover (set of 2) glass comp., ultra light weight
- A0032 M2 - steel bolt w/nut (pack of 2)
- A0033 M3 - nylon bolt (pack of 2)
- A0034 M3 - steel bolt w/nut (pack of 2)
- A0035 M4 - nylon wing bolt (pack of 2)
- A0036 M4 - nylon nut w/metal insert (pack of 2)
- A0037 M4 - stainless steel wing bolt (pack of 2)
- A0038 Nylon retainer for 4mm wing bolt (pack of 2)
- A0039 M5 - nylon wing bolt (pack of 2) (Velvia, Sierra)
- A0040 Nylon retainer for 5 mm wing bolt (pack of 2)
- A0044 Wing Tip Joiner carbon rod set (4 x 4 mm rods)
- A0046 Wing Tip Joiner carbon rod set (2 x 4 mm + 2 x 5 mm rods)
- A0047 Wing Tip Joiner carbon rod set (4 x 6 mm rods)
- A0050 Tow Hook machined w/M4 nut - set
- A0060 Hinge tape: 25,4 mm - 1" (5 -meter roll)



Folding Propeller Blades

		Graupner			Aeronaut			Art Hobby	
		CAM	CAM	CAM	CAM	CAM	CAM	CAM	CAM
		8x4,5	9x5	11x8	12x6	13X7	14x8	15x8	16x8
		11,5x6	12,5x6						
		carbon	carbon						
No.		A00845	A00950	A01180	A01260	A01370	A01480	A01580	A01680










Spinners:	31 mm	31 mm	31 mm	40 mm	40 mm
	LowDrag	LowDrag	LowDrag	LowDrag	LowDrag
No.	A032S31	A031S3	A031S4	A041S4	A041S5
Spinner diameter (mm):	Ø31	Ø31	Ø31	Ø40	Ø40
Spinner length (mm):	25	25	25	39	39
Spinner weight (g):	11,5	11,5	11,5	26	26
Motor shaft diam. (mm):	Ø3	Ø3,17	Ø4	Ø4	Ø5
Blade mount width (mm):	6	6	6	8	8
Blade pin diameter (mm):	Ø2	Ø2	Ø2	Ø3	Ø3



Brushless Motor Controller:	BL-17	BL-37	BL-55	18A	36A	60A	10 A
	MultiCont	MultiCont	MultiCont	Thunderbird	Thunderbird	Phoenix	CC BEC
		Multiplex			Castle Creation		
No.	M72274	M72276	M997255	M00180	M00360	M00600	M99920
Continuous Current:	17 A	37A	55 A	18 A	36 A	60 A	5-10 A
Weight approx.:	9 g	30 g	34 g	17 g	20 g	58 g	11 g
BEC:	1,5 A	1,5 A	3 A	3 A	3 A	3 A	-



Brushless Outrunner Motors Specially Designed for Art-Hobby Electro-Gliders

Motor	Shaft Diameter (mm)	Diameter /Length (mm)	Weight (g)	Battery	Current Draw (A)	Power (W)	Propeller Size	Spinner (mm)	Applications/ ESC & Batteries
 Permax BL-X 22/13	Ø3,2	Ø22 / 27	31	LiPo 3-c. (11,1V)	8,6 10,8	99 120	8x4,5 CAM 9x5 CAM	Ø31	<b>Zuni-E 1.2M</b> <b>Hybrid-E 1.5M</b> <b>Hush-E 1.5M</b> Controller: 17-18 A Batteries: 700-910 mAh (max. ~70 g)
 PJS-700ART	Ø4,0	Ø32 / 40	65	LiPo 3-c. (11,1V)	8,3 12,2	99 146	11,5x6 Carbon 12,5x6 Carbon	Ø31	<b>Sky-E 1.7M</b> <b>Agena-E 1.5M</b> <b>Universal 1.5M</b> Controller: 17 - 18 A Batteries: 700-1100 mAh (max. ~90 g)
 PJS-900ART	Ø4,0	Ø32 / 40	65	LiPo 3-c. (11,1V)	17,2	206	11,5x6 Carbon	Ø31	<b>Agena-E 1.2M</b> <b>Universal 1.5M</b> <b>Sky-E 1.7M</b> Controller: 18 - 37A Batteries: 950-1100 mAh (max. ~100 g)
 PJS-1200ART	Ø4,0	Ø32 / 48	82	LiPo 3-c. (11,1V)	23,2	278	12,5x6 Carbon	Ø31	<b>Sky-E 2M</b> <b>Andromeda-E 2M</b> <b>Castor 2.5M</b> Controller: 36 - 37 A Batteries: 950-1600 mAh (max. ~130 g)
 PJS-1400ART	Ø4,0	Ø32 / 52	110	LiPo 3-c. (11,1V)	29,5	354	12,5x6 Carbon	Ø31	<b>Evolution-E 2.5M</b> <b>Castor-E 2.5M</b> <b>Andromeda 2M</b> Controller: 36 - 55 A Batteries: 1600-2500 mAh (max. ~200 g)
 PJS-2500ART	Ø5,0	Ø40 / 52	162	LiPo 3-c. (11,1V)	27,4 30 36	328 360 432	13x7 CAM 13x8 CAM 14,5x7 Carbon	Ø40	<b>High Aspect-ES 3.1M</b> <b>Ibis-E 3M</b> <b>Serenity-E 2.5M</b> Controller: 36 - 60 A Batteries: 2500-4000 mAh (max. ~350 g)
 KIRA 480-31 5.2:1	Ø5,0	Ø28 / 79	196	LiPo 3-c. (11,1V)	35,5 42,3 43	426 507 516	14x8 CAM 14x10 CAM 15x8 CAM 16x8 CAM	Ø40	<b>High Aspect-ES 3.1M</b> <b>Ibis-E 3M</b> <b>Serenity-E 2.5M</b> Controller: 36 - 60 A Batteries: 2500-4000 mAh (max. ~350 g)

