

NRJ DLG Specifications			Vortex 4 1.5m DLG Specifications		
Wing span	1.5 m	59 in	Wing span	1.5 m	59 in
Wing area	19.0 dm ²	295 sq in	Wing area	19.0 dm ²	295 sq in
Length	96 cm	38.0 in	Length	105 cm	41.2 in
Flying weight from	198 g	7.0 oz	Flying weight from	236 g	8.3 oz
Wing loading	10.4 g/dm ²	3.4 oz/sq ft	Wing loading	12.4 g/dm ²	4.1 oz/sq ft
Aspect ratio	11.7		Aspect ratio	11.7	
Wing airfoil	NRJ Series		Wing airfoil	Proprietary	
Dihedral angle	7.0°		Dihedral angle	TBA°	
Centre of Gravity	64-66.5 mm from wing leading edge		Centre of Gravity	68-76 mm from wing leading edge	
Controls	Rudder, elevator, ailerons		Controls	Rudder, elevator, ailerons, flaps	
			Spinner Diameter	0 mm	
NRJ DLG Ligh Layup Typical Weights			Vortex 4 1.5m DLG Typical Weights		
Fuselage	35 g	1.2 oz	Fuselage	41.0 g	1.4 oz
Wing (light)	85 g	3.0 oz	Wings	101.0 g	3.6 oz
Fin	4.5 g	0.2 oz	Fin	5.5 g	0.2 oz
Tailplane	5.5 g	0.2 oz	Tailplane	5.5 g	0.2 oz
Accessories	12 g	0.4 oz	Accessories	20.0 g	0.7 oz
Total structure	142 g	5.0 oz	Total structure	173.0 g	6.1 oz
Glue, mounts etc	2 g	0.1 oz	Receiver	5.0 g	0.2 oz
Receiver	5 g	0.2 oz	Tail servos	12.8 g	0.5 oz
Tail servos	17 g	0.6 oz	Aileron servos	12.8 g	0.5 oz
Wing servos	17 g	0.6 oz	Flap servos	12.8 g	0.5 oz

Battery	15 g	0.5 oz	Battery	20.0 g	0.7 oz
Flying weight from	198 g	7.0 oz	Flying weight	236.4 g	8.3 oz
We intend to stock the NRJ with these wing layup options. The lighter wing layups come with lighter fins and tailplanes.					
Recommended RC			Recommended RC		
All servos	KST X08, MKS DS75K, MKS HV75K		Tail servos	KST X08, KST A08, MKS DS65K, MKS DS75K, MKS HV75K	
			Flap servos	KST X08, KST A08, MKS DS65K, MKS DS75K, MKS HV75K	
			Aileron servos	KST X06N, KST X06, MKS DS65K	
Receiver (max size approx 60mm x 25mm x 12mm)	4/5 channel rx to match your transmitter, eg FrSky X4R, Spectrum AR6610T, Lemon LM0034, Futaba 6008HS*, Futaba R6106HFC *case removed		Receiver	6 channel rx to match your transmitter, max size approx 60mm x 25mm x 12mm eg FrSky GR6, JR RG612BX, Spectrum AR6610T (TBC)	
Power	Tatu 1S 350 mAh, HyperLiPo 2S 300 mAh LiPo, Radient 1S 600 mAh		Power	1S 400-600 mAh LiPo, 2S 300-400 mAh LiPo	
NRJ Control Throws & Mixes					
Rudder	12 mm each way				
Elevator	8 mm up / 8 mm down				
Ailerons	13 mm up / 19 mm down				
Recommended snap-flap (elevator->camber) mix.					

Full up elevator	5 mm down aileron				
Full down elevator	3 mm up aileron				
<i>Recommended Flight Mode Aileron Settings</i>					
Launch preset	1 mm up aileron & 2.5 mm up elevator				
Speed	1.5 mm up aileron				
Cruise	0 mm aileron				
Slow cruise	2 mm down aileron				
Thermal	6 mm down aileron				
Landing mode	as much down aileron as possible				
NRJ Wing Weights					
CW30 (light veil)	84g - 87g				
CW40 (veil)	93g - 100g				
Textreme 60 (medium chequerboard)	96g - 105g				
Samurai (small chequerboard)	104 - 109g				