

MODEL	DESCRIPTION	GEAR TYPE	BEARING	TORQUE/FORCE HIGH VOLTAGE 8.4V (2S LI-PO)	SPEED HIGH VOLTAGE 8.4V (2S LI-PO)	DIMENSIONS (L x W x H) in/mm	WEIGHT oz/g	AIRCRAFT					SURFACE				
								Fixed Wing (Std/Large)	Specialty	Fixed Wing (Micro)	Heli	Sail Plane	1/10th	1/8th	1/5th	Mini	Marine
AIRPLANE																	
SPMSA6110	A6110 HV Standard	Nylon	Single BB	76 oz-in (5.5 kg-cm)	0.14 sec/60°	1.50 x 0.72 x 1.44 in (38.3 x 18.4 x 36.6mm)	1.28 oz (36.5 g)	✓									
SPMSA6150	A6150 HV Hi-Torque MG	Metal	Dual BB	180 oz-in (13.0 kg-cm)	0.12 sec/60°	1.57 x 0.79 x 1.51 in (40.0 x 20.0 x 38.3mm)	1.90 oz (53.9 g)	✓									
SPMSA6180	A6180 Digital	Metal	Dual BB	94 oz-in (6.8 kg-cm) @ 6.0V	0.14 sec/60° @ 6.0V	1.53 x 0.74 x 1.37 in (38.8 x 18.8 x 34.9mm)	1.48 oz (42.0 g)	✓									
SPMSA6220	A6220 HV Low-Profile Hi-Torque MG	Metal	Dual BB	140 oz-in (10.1 kg-cm)	0.11 sec/60°	1.58 x 0.79 x 1.02 in (40.3 x 20.0 x 26.0mm)	1.60 oz (46.0 g)	✓									
SPMSA6265	A6265 HV Digital Hi-Torque MG Aircraft Servo	Metal	Dual BB	328 oz-in (23.6kg-cm)	0.15 sec/60° @ 6.0V	1.61 x 0.82 x 1.25 in (40.9 x 20.9 x 31.8mm)	2.20 oz (62.0g)	✓									
SPMSA6270	A6270 HV Ultra Torque MG	Steel	Dual BB	582 oz-in (41.9 kg-cm)	0.12 sec/60°	1.61 x 0.82 x 1.35 in (40.9 x 20.9 x 34.3mm)	2.70 oz (76.5 g)	✓									
SPMSA4010	A4010 Micro Digital	Nylon	Single BB	42 oz-in (3.0kg-cm) @ 6.0V	0.11 sec/60° @ 6.0V	1.10 x 0.50 x 1.07 in (28.0 x 12.7 x 27.4mm)	0.60 oz (17.2 g)			✓							
SPMSA4030	A4030 Micro HV Digital Hi-Torque MG	Metal	Dual BB	83.3 oz-in (6.0 kg-cm)	0.10 sec/60°	1.10 x 0.50 x 1.07 in (28.0 x 12.7 x 27.4mm)	0.71 oz (20.0 g)			✓		✓					
SPMSA5030	A5030 Mini Digital	Nylon	Dual BB	66 oz-in (4.8 kg-cm) @ 6.0V	0.10 sec/60° @ 6.0V	1.30 x 0.58 x 1.10 in (33.0 x 15.0 x 28.0mm)	0.83 oz (23.6 g)	✓									
SPMSA5040	A5040 Mini Digital MG	Metal	Dual BB	66 oz-in (4.8 kg-cm) @ 6.0V	0.10 sec/60° @ 6.0V	1.30 x 0.58 x 1.10 in (33.0 x 15.0 x 28.0mm)	0.76 oz (21.6 g)	✓									
SPMSA5060	A5060 Mini HV Digital Hi-Torque MG	Metal	Dual BB	118 oz-in (8.5 kg-cm)	0.11 sec/60°	1.30 x 0.58 x 1.08 in (32.8 x 14.7 x 27.4mm)	0.92 oz (26.0 g)	✓									
SPMSA2010	A2010 Ultra Micro	Nylon	Single BB	2.5 oz-in (0.18kg-cm) @4.8V	0.06 sec/60° @ 4.8V	0.71 x 0.31 x 0.67 in (18.1 x 8.00 x 16.9mm)	0.09 oz (2.50 g)			✓							
SPMSA2020	A2020 Nanolite	Nylon	Single BB	12 oz-in (0.86 kg-cm) @ 4.8V	0.08 sec @ 4.8V	0.78 x 0.33 x 0.90 in (19.7 x 8.30 x 22.8mm)	0.14 oz (4.10 g)			✓							
SPMSA3030	A3030 Sub-Micro Digital Hi-Torque	Nylon	Single BB	28 oz-in (2 kg-cm) @ 6.0V	0.10 sec/60° @ 6.0V	0.93 x 0.45 x 1.00 in (23.6 x 11.5 x 25.5mm)	0.30 oz (8.60 g)			✓							
SPMSA3040	A3040 Sub-Micro Digital Hi-Torque MG	Metal	Single BB	28 oz-in (2 kg-cm) @ 6.0V	0.10 sec/60° @ 6.0V	0.93 x 0.45 x 1.00 in (23.6 x 11.5 x 25.5mm)	0.44 oz (12.6 g)			✓							
SPMSA7020	A7020 Digital Thin Wing	Metal	Dual BB	50 oz-in (3.6 kg-cm) @ 6.0V	0.09 sec/60° @ 6.0V	1.08 x 0.39 x 1.07 in (27.4 x 10.0 x 27.2mm)	0.50 oz (14.5 g)	✓				✓					
SPMSA7040	A7040 HV Retract	Metal	Dual BB	266 oz-in (19.2 kg-cm)	1.39 sec/160°	1.70 x 0.87 x 1.07 in (44.0 x 22.2 x 27.3mm)	1.48 oz (42.0 g)	✓									
SPMSA7050	A7050 HV Thin Wing	Metal	Dual BB	65 oz-in (4.70 kg-cm)	0.07 sec/60°	1.08 x 0.40 x 1.06 in (27.4 x 10.2 x 27.0mm)	0.70 oz (20.0 g)	✓						✓			
SPMSA2005	1.8-Gram Linear	Nylon	2 BBs	2.8 oz (79.4 g) @ 4.2V	0.14 sec @ 4.2V	0.60 x 0.59 x 0.33 in (16.0 x 15.0 x 8.20mm)	0.06 oz (1.80 g)			✓							
SPMSA2030L	2.3-Gram Performance Linear Long Throw	Nylon	Single BB	3.5 oz (100 g) @ 4.2V	0.14 sec @ 4.2V	0.87 x 0.66 x 0.33 in (22.0 x 16.9 x 8.20mm)	0.10 oz (2.30 g)			✓							
SPMSA2030LO	2.3-Gram Linear Long Throw Offset	Nylon	Single BB	3.5 oz (100 g) @ 4.2V	0.14 sec @ 4.2V	0.87 x 0.66 x 0.33 in (22.0 x 16.9 x 8.20mm)	0.10 oz (2.30 g)			✓							
HELICOPTER																	
SPMSH6160	H6160 HV High Speed Cyclic MG	Metal	Dual BB	132 oz-in (9.5 kg-cm)	0.11 sec/60°	1.57 x 0.79 x 1.51 in (40.0 x 20.0 x 38.3mm)	1.90 oz (53.9 g)				✓						
SPMSH6205	H6205 HV Digital High Speed Heli Cyclic MG	Metal	Dual BB	166 oz-in (12.0kg-cm)	0.07 sec/60° @ 6.0V	1.61 x 0.82 x 1.25 in (40.9 x 20.9 x 31.8mm)	2.20 oz (61.7g)				✓						
SPMSH6210	H6210 HV Digital Ultra Speed Tail MG	Steel	Dual BB	107 oz-in (7.7 kg-cm)	0.03 sec/60°	1.61 x 0.82 x 1.25 in (40.9 x 20.9 x 31.8mm)	2.20 oz (62.4 g)				✓						
SPMSH6280	H6280 HV Ultra Speed Cyclic MG	Steel	Dual BB	280 oz-in (13.5 kg-cm)	0.06 sec/60°	1.61 x 0.82 x 1.35 in (40.9 x 20.9 x 34.3mm)	2.70 oz (76.5 g)				✓						
SPMSH3020	H3020 Sub-Micro High-Speed MG	Metal	Single BB	22 oz-in (1.6 kg-cm) @ 6.0V	0.08 sec/60° @ 6.0V	0.93 x 0.45 x 1.00 in (23.6 x 11.5 x 25.5mm)	0.44 oz (12.6 g)				✓						
SPMSH3050	H3050 Sub-Micro Digital Heli Cyclic MG Servo	Metal	Single BB	29 oz-in (2.1kg-cm) @ 4.8V	0.067 sec/60° @ 4.8V	0.91 x 0.47 x 1.17in (23.0 x 12.0 x 29.6mm)	0.46 oz (12.9 g)			✓							
SPMSH3060	H3060 Sub-Micro Digital Heli Tail MG Servo	Metal	Single BB	12 oz-in (0.9kg-cm) @ 4.8V	0.036 sec/60° @ 4.8V	0.91 x 0.47 x 1.17in (23.0 x 12.0 x 29.6mm)	0.46 oz (12.9 g)			✓							
SPMSH2025L	2.0-Gram Linear Long-Throw, 15mm Lead	Nylon	Single BB	3.5 oz (100 g) @ 4.2V	0.14 sec @ 4.2V	0.87 x 0.66 x 0.33 in (22.0 x 16.9 x 8.20mm)	0.07 oz (2.00 g)			✓							
SPMSH2026L	2.1-Gram Linear Long-Throw, 38mm Lead	Nylon	Single BB	3.5 oz (100 g) @ 4.2V	0.14 sec @ 4.2V	0.87 x 0.66 x 0.33 in (22.0 x 16.9 x 8.20mm)	0.07 oz (2.10 g)			✓							
SPMSH2040L	2.9-Gram Linear Long Throw	Nylo	Single BB	11.6 oz (329 g) @ 4.2V	0.13 sec @ 4.2V	0.90 x 0.70 x 0.40 in (24.0 x 19.0 x 9.00mm)	0.10 oz (2.90 g)			✓							
SPMSH2040T	2.9-Gram Linear Tail	Nylon	Single BB	9.6 oz (272 g) @ 4.2V	0.065 sec @ 4.2V	0.90 x 0.70 x 0.40 in (24.0 x 19.0 x 9.00mm)	0.10 oz (2.90 g)			✓							
SPMSH2060	H2060 Nanolite High Speed Cyclic	Nylon	Bushing	11.4 oz (323 g) @ 6.0V	0.07 sec/60° @ 6.0V	0.90 x 0.70 x 0.40 in (19.6 x 8.15 x 25.0mm)	0.14 oz (4.00 g)				✓						
CAR / TRUCK / BOAT																	
															WATERPROOF/ RESISTANT		
SPMSS6020	S6020 Digital—Torque	Metal/Nylon	Dual BB	146 oz-in (10.5 kg-cm) @ 6.0V	0.19 sec/60° @ 6.0V	1.61 x 0.79 x 1.53 in (41.0 x 20.0 x 39.0mm)	1.73 oz (49.0 g)								✓		
SPMSS6170	S6170 Standard Digital	WP Nylon	Single BB	80 oz-in (5.8 kg-cm) @ 6.0V	0.14 sec/60° @ 6.0V	1.51 x 0.73 x 1.36 in (38.4 x 18.5 x 34.5mm)	1.20 oz (32.0 g)								✓		
SPMSS6180	S6180 Standard Digital MG	WP Brass/Metal	Dual BB	100 oz-in (7.2 kg-cm) @ 6.0V	0.14 sec/60° @ 6.0V	1.51 x 0.74 x 1.36 in (38.4 x 18.8 x 34.5mm)	1.50 oz (42.0 g)								✓		
SPMSS6230	S6230 Digital Surface Servo	WP Metal	Dual BB	311 oz-in (22.4kg-cm) @ 6.0V	0.14 sec/60° @ 6.0V	1.61 x 0.82 x 1.18 in (41.0 x 20.8 x 30.0mm)	2.10 oz (59.5g)			✓					✓		
SPMSS6240	S6240 High Speed, Dig Servo	WP Metal	Dual BB	208 oz-in (15.0kg-cm) @ 6.0V	0.08 sec/60° @ 6.0V	1.61 x 0.82 x 1.18 in (41.0 x 20.8 x 30.0mm)	2.10 oz (59.5g)			✓					✓		
SPMSS6250	S6250 High Torque, HV Dig Servo	WP Metal	Dual BB	382 oz-in (27.5kg-cm) @ 8.4V	0.09 sec/60° @ 8.4V	1.61 x 0.82 x 1.18 in (41.0 x 20.8 x 30.0mm)	2.10 oz (59.5g)								✓		
SPMSS6260	S6260 High Speed, HV Dig Servo	WP Metal	Dual BB	241 oz-in (17.4kg-cm) @ 8.4V	0.06 sec/60° @ 8.4V	1.61 x 0.82 x 1.18 in (41.0 x 20.8 x 30.0mm)	2.10 oz (59.5g)								✓		
SPMSS6270	S6270 HV Low-Profile Race Digital MG	WP Metal	Dual BB	174 oz-in (12.5 kg-cm)	0.05 sec/60°	1.61 x 0.82 x 1.06 in (41.0 x 20.9 x 26.7mm)	1.50 oz (42.0 g)								✓		
SPMSS6280	S6280 Ultra Torque, HV Dig Servo	WP Metal	Dual BB	496 oz-in (35.7kg-cm) @ 8.4V	0.10 sec/60° @ 8.4V	1.61 x 0.82 x 1.38 in (41.0 x 20.9 x 26.7mm)	2.80 oz (79.4g)								✓		
SPMSS6290	S6290 Ultra Speed, HV Dig Servo	WP Metal	Dual BB	331 oz-in (23.8kg-cm) @ 8.4V	0.07 sec/60° @ 8.4V	1.61 x 0.82 x 1.38 in (41.0 x 20.9 x 26.7mm)	2.80 oz (79.4g)								✓		
SPMSS9010	S9010 HV 1/5-Scale Digital—Throttle	WP Steel	Dual BB	660 oz-in (47.5 kg-cm)	0.11 sec/60° no load	3.00 x 1.20 x 1.80 in (75.0 x 30.0 x 45.5mm)	5.00 oz (142 g)								✓		
SPMSS9020	S9020 HV 1/5-Scale Digital—Steering	WP Steel	Dual BB	1000 oz-in (72 kg-cm)	0.16 sec/60° no load	3.00 x 1.20 x 1.80 in (75.0 x 30.0 x 45.5mm)	5.00 oz (142 g)								✓		