

### IM-6008-300kv + Legatus 14-80A + PF 22 Prop + 6s Lipo

Motor	ESC throttle ( $\mu$ s)	Voltage (V)	Current (A)	Force Fz (thrust) (kgf)	Torque MZ (torque) (N·m)	Rotation speed (rpm)	Electrical power (W)	Mechanical power (W)	Motor & ESC efficiency (%)	Propeller efficiency (gf/W)	Powertrain efficiency (gf/W)
IM-6008-300kv	1276	24.37	3.29	1.04	-0.28	2250	80	65	80.74	16.12	13.02
ESC	1350	24.34	5.46	1.50	-0.39	2681	133	109	82.04	13.73	11.27
	1421	24.31	8.32	2.01	-0.51	3083	202	166	82.40	12.07	9.92
Legatus 14-80A	1487	24.24	11.52	2.49	-0.64	3443	279	229	82.00	10.88	8.92
Prop	1548	24.18	15.26	3.00	-0.76	3760	369	300	81.28	10.01	8.13
	1607	24.10	19.38	3.50	-0.88	4053	467	375	80.37	9.33	7.50
Scorpion PF 22	1675	24.02	24.42	4.03	-1.03	4331	587	466	79.30	8.64	6.86
Battery	1725	23.94	29.64	4.54	-1.15	4603	710	555	78.17	8.18	6.40
	1775	23.87	34.78	5.01	-1.27	4821	830	640	77.06	7.83	6.03
6s Lipo	1839	23.77	42.20	5.62	-1.42	5086	1003	755	75.36	7.44	5.60
	1968	23.63	55.67	6.57	-1.66	5476	1315	953	72.45	6.89	5.00
	2000	23.86	54.94	6.64	-1.67	5497	1311	964	73.51	6.89	4.98

### IM-6008-140kv + Legatus 14-80A + PF 22 Prop + 12s Lipo

Motor	ESC throttle ( $\mu$ s)	Voltage (V)	Current (A)	Force Fz (thrust) (kgf)	Torque MZ (torque) (N·m)	Rotation speed (rpm)	Electrical power (W)	Mechanical power (W)	Motor & ESC efficiency (%)	Propeller efficiency (gf/W)	Powertrain efficiency (gf/W)
IM-6008-140kv	1183.00	50.06	0.63	0.50	0.14	1562.35	31.43	22.45	71.43	22.19	15.85
ESC	1288.00	50.08	1.45	1.01	0.26	2176.77	72.70	60.10	82.66	16.74	13.84
	1370.00	50.02	2.52	1.49	0.39	2641.50	126.20	107.00	84.79	13.96	11.84
Legatus 14-80A	1444.00	49.90	3.86	2.02	0.52	3044.56	192.79	164.78	85.47	12.25	10.47
Prop	1513.00	49.74	5.47	2.55	0.65	3405.99	271.82	231.80	85.48	11.01	9.38
	1573.00	49.55	7.12	3.05	0.77	3706.35	353.06	300.58	85.14	10.14	8.64
Scorpion PF 22	1629.00	49.35	8.92	3.54	0.90	3973.73	440.02	372.95	84.76	9.51	8.06
Battery	1955.00	48.33	24.94	6.70	1.70	5394.59	1205.29	957.67	79.46	6.95	5.52
6s Lipo	2000.00	48.10	26.00	6.88	1.74	5468.80	1253.52	997.31	79.00	6.90	5.49