

Semi-Solid State Drone & UAV Battery

GSL ENERGY
Much More Than Grade A



Capacity/mAh

- ✓ 12500 ✓ 15000 ✓ 18000 ✓ 20000 ✓ 22000
- ✓ 25000 ✓ 30000 ✓ 33000 ✓ 36000 ✓ 39000
- ✓ 52000 ✓ 60000 ✓ 67000 ✓ 72000 ✓ 80000 ✓ 80400

GSL ENERGY UAV Semi-solid State Battery delivers ultra-high energy density up to 350–400 Wh/kg for longer flight endurance and higher work efficiency. Adopting universal pressed structure and advanced lithium technology, it supports 10C high-rate discharge with stable output and no voltage drop under heavy load.

Available in 6S/12S/14S configurations and multiple capacities from 12.5Ah to 80.4Ah, the battery features high safety, low internal resistance, excellent consistency and wide temperature adaptability. It is fully compatible with industrial UAV platforms, easy to install and replace, providing reliable power support for long-distance inspection, mapping, logistics and other heavy-duty drone applications.

350–400 Wh/kg

Ultra-high energy density

10C High-Rate Discharge

Stable 10C discharge with no voltage drop under heavy load

Safe & Reliable Structure

Semi-solid state with pressed design, high safety and low internal resistance

Full Series Compatibility

6S/12S/14S, 12.5Ah–80.4Ah, standard size, plug-and-play

Industrial-Grade Durability

Wide temperature adaptability, long cycle life, stable performance

UAV Battery Specifications

Model	Nominal Voltage (V)	Dimensions (W*H*D)	Weight (kg)	Discharge Rate	Energy Density
6S-22AH	22.2	192*75*46mm	1.4	10C	400Wh/kg
12S-22AH	44.4	192*75*96mm	2.7	10C	400Wh/kg
6S-25AH	22.2	192*75*55mm	1.6	10C	400Wh/kg
8S-25AH	29.6	192*75*71mm	2.1	10C	400Wh/kg
6S-33AH	22.2	195*75*75mm	3.9	10C	400Wh/kg
12S-33AH	44.4	195*76*141mm	4.5	10C	400Wh/kg
14S-33AH	51.8	195*76*163mm	4.2	10C	400Wh/kg
6S-39AH	22.2	211*88*68mm	2.4	10C	400Wh/kg
12S-39AH	44.4	211*88*131mm	4.6	10C	400Wh/kg
14S-39AH	51.8	211*89*151mm	5.3	10C	400Wh/kg
6S-72AH	22.2	288*150*57mm	4.2	10C	400Wh/kg
12S-72AH	44.4	288*150*107mm	8.2	10C	400Wh/kg
14S-72AH	51.8	288*152*124mm	9.6	10C	400Wh/kg
6S-80AH	22.2	288*150*60mm	4.6	10C	400Wh/kg
12S-80AH	44.4	288*152*118mm	9.1	10C	400Wh/kg
14S-80AH	51.8	288*152*140m	10.5	10C	400Wh/kg
6S-12.5AH	22.2	175*60*45mm	1.0	10C	350Wh/kg
12S-12.5AH	44.4	175*60*85mm	1.8	10C	350Wh/kg
14S-12.5AH	51.8	175*60*100mm	2.5	10C	350Wh/kg
6S-15AH	22.2	175*60*53mm	1.2	10C	350Wh/kg
12S-15AH	44.4	175*60*99mm	2.1	10C	350Wh/kg
14S-15AH	51.8	175*60*115mm	2.4	10C	350Wh/kg
6S-18AH	22.2	195*76*54mm	1.4	10C	350Wh/kg
12S-18AH	44.4	195*76*98mm	2.6	10C	350Wh/kg
14S-18AH	51.8	195*76*113mm	2.9	10C	350Wh/kg
6S-20AH	22.2	173*76*55mm	1.5	10C	350Wh/kg
12S-20AH	44.4	175*76*104mm	2.8	10C	350Wh/kg
14S-20AH	51.8	175*76*121mm	3.3	10C	350Wh/kg
6S-22AH	22.2	195*75*58mm	1.6	10C	350Wh/kg
12S-22AH	44.4	195*75*110mm	3.1	10C	350Wh/kg
14S-22AH	51.8	195*75*129mm	3.5	10C	350Wh/kg
6S-30AH	22.2	195*76*75mm	2.1	10C	350Wh/kg
12S-30AH	44.4	195*76*141mm	3.9	10C	350Wh/kg
14S-30AH	51.8	195*76*163mm	4.5	10C	350Wh/kg
6S-33AH	22.2	211*88*66mm	2.3	10C	350Wh/kg
12S-33AH	44.4	211*88*128mm	4.4	10C	350Wh/kg
14S-33AH	51.8	211*88*148mm	5.1	10C	350Wh/kg
6S-36AH	22.2	211*88*70mm	2.5	10C	350Wh/kg
12S-36AH	44.4	211*88*135mm	4.8	10C	350Wh/kg
14S-36AH	51.8	211*88*158mm	5.6	10C	350Wh/kg

UAV Battery Specifications

Model	Nominal Voltage (V)	Dimensions (W*H*D)	Weight (kg)	Discharge Rate	Energy Density
6S-39AH	22.2	211*88*73mm	2.6	10C	350Wh/kg
12S-39AH	44.4	211*88*135mm	5.1	10C	350Wh/kg
14S-39AH	51.8	211*89*160mm	5.9	10C	350Wh/kg
6S-52AH	22.2	240*122*65mm	3.6	10C	350Wh/kg
12S-52AH	44.4	240*122*123mm	6.9	10C	350Wh/kg
14S-52AH	51.8	240*122*145mm	8.1	10C	350Wh/kg
6S-60AH	22.2	238*122*78mm	4.0	10C	350Wh/kg
12S-60AH	44.4	238*122*147mm	7.8	10C	350Wh/kg
14S-60AH	51.8	238*122*168mm	9.1	10C	350Wh/kg
6S-72AH	22.2	287*150*62mm	4.8	10C	350Wh/kg
12S-72AH	44.4	287*150*118mm	9.5	10C	350Wh/kg
14S-72AH	51.8	287*151*136mm	11.7	10C	350Wh/kg
6S-80.4AH	22.2	287*150*68mm	5.5	10C	350Wh/kg
12S-80.4AH	44.4	287*150*131mm	10.6	10C	350Wh/kg
14S-80.4AH	51.8	287*151*151mm	12.4	10C	350Wh/kg
6S-67AH	22.2	250*142*72mm	4.6	10C	340Wh/kg
12S-67AH	44.4	250*142*135mm	9.1	10C	340Wh/kg
14S-67AH	51.8	250*144*160mm	10.6	10C	340Wh/kg



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