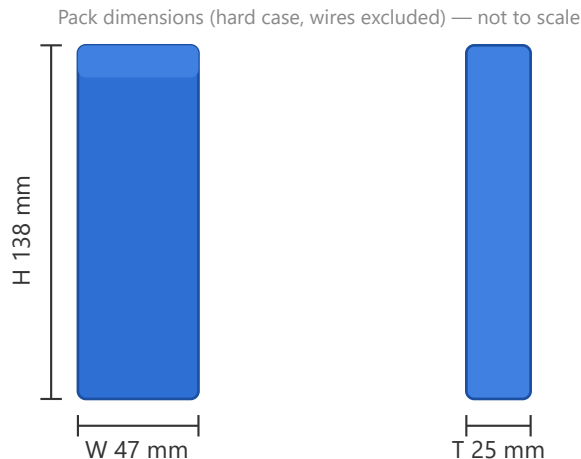


Lithium-ion Polymer Battery Pack

Product Datasheet · Model: 2S-6200 · 7.4 V · 6200 mAh · 100C high-rate discharge · with silicone leads and XT90 connector



Surface marking: "PPG 6200mAh 2S1P 100C / 44.64Wh" (printed wrap design)



Drawing of battery pack (T×W×H)

Model: PPG 2S-6200 2S1P 6200 mAh 7.4 V 100C (44.64 Wh)

Custom Battery Manufacturer

Electrical Characteristics

■ Nominal Capacity	6200 mAh (0.5C Std., 3.0 V/cell cut-off)
■ Nominal Voltage	7.4 V
■ AC Impedance	≤ 6 mΩ (pack)
■ Discharge Rate	100C (620 A)
■ Cycle Life @1C/5C @25±5 °C	> 300 cycles
■ Self Discharge Rate	≤ 3% per month @25 °C

Mechanical Characteristics

■ Typical Weight	≈ 340 g
■ Dimensions (T×W×H)	25 × 47 × 138 mm
■ Wire	Silicone 12AWG ×2 (red/black)
■ Connector	XT90 + JST-XH 2.5 mm 3P (balance)

Typical Applications

RC Cars & Boats

RC Airplanes

Drones & UAV

FPV Racing

Robotics

Power Tools

Charging & Discharge Characteristic

■ Standard Charge Current	6.2 A (1C)
■ Max. Charge Current	12.4 A (2C)
■ Charge Cut-off Voltage	8.4 V
■ Standard Discharge Current	3.1 A (0.5C)
■ Max. Continuous Discharge Current	620 A (100C)
■ Discharge Cut-off Voltage	6.0 V (3.0 V/cell)

Temperature Characteristic

■ Discharge Temperature	-20 ~ 60 °C
■ Charge Temperature	0 ~ 45 °C
■ Recommend Storage Temperature	15 ~ 35 °C

Protection & Charging

■ Protection Board	None (power pack)
■ Charge With	LiPo balance charger only
■ Balance Connector	JST-XH 2.5 mm 3P

Certificates

■ MSDS / UN38.3 / CE / RoHS	Available on request
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Specifications are subject to change without prior notice. Please confirm details with SafeLith before ordering. Storage: keep in a cool, dry place; recharge every 3 months if long stored. High-rate packs must be charged with a balance charger and never discharged below 3.0 V per cell.