

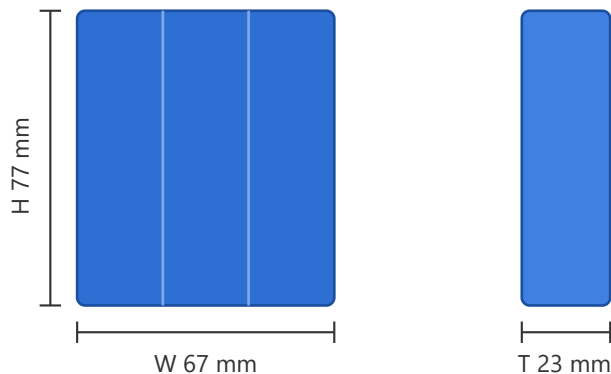
Lithium-ion Battery Pack

Product Datasheet · Model: 21700-3S1P · 11.1 V · 6000 mAh · 3S1P · with protective PCM board



Product photo — HYT 21700 3S1P 6000 mAh Battery (as pictured)

Pack dimensions (3 × 21700 cells standing, tabs excluded) — not to scale



Drawing of battery pack (T×W×H)

Model: PPG 21700-3S1P 3S1P 6000 mAh 11.1 V (66.6 Wh)

Custom Battery Manufacturer

Electrical Characteristics

■ Nominal Capacity	6000 mAh (0.2C, 2.75 V/cell cut-off)
■ Nominal Voltage	11.1 V
■ AC Impedance	≤ 70 mΩ (pack, after assembly)
■ Cycle Life	≥ 500 cycles @0.2C/0.2C (≥ 80% capacity)
■ Self Discharge Rate	≤ 3% per month @25 °C

Mechanical Characteristics

■ Cell Configuration	3 × 21700 Li-ion cell (3S1P), 6000 mAh / 3.6 V each
■ Typical Weight	approx. 250 g (estimated)
■ Dimensions (T×W×H)	23 × 67 × 77 mm
■ Wire	22AWG red / black leads
■ Connector	JST white connector (2P, as pictured); XT30 / others on request

Typical Applications

Energy Storage

Portable Power

Remote Control Robots

Backup Power

Instruments & Meters

Lighting

Charging & Discharge Characteristic

■ Standard Charge Current	1200 mA (0.2C)
■ Max. Continuous Charge Current	3000 mA (0.5C)
■ Charge Cut-off Voltage	12.6 V
■ Standard Discharge Current	1200 mA (0.2C)
■ Max. Continuous Discharge Current	3000 mA (0.5C)
■ Discharge Cut-off Voltage	8.25 V (2.75 V/cell)

Temperature Characteristic

■ Discharge Temperature	-10 ~ 60 °C
■ Charge Temperature	0 ~ 45 °C
■ Recommend Storage Temperature	15 ~ 35 °C

PCM Specification

■ Protection	Built-in protective PCM board
■ Protection Thresholds	Customized; details available on request

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.