

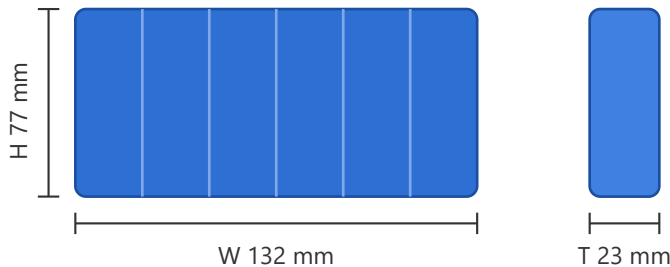
Lithium-ion Battery Pack

Product Datasheet · Model: 21700-6S1P · 22.2 V · 2000 mAh · 6S1P · with protective PCM board



Product photo — Li-ion 21700 6S1P 22.2 V Battery (as pictured)

Pack dimensions (6 × 21700 cells lying side by side, tabs excluded) — not to scale



Drawing of battery pack (T×W×H)

Model: PPG 21700-6S1P 6S1P 2000 mAh 22.2 V (44.4 Wh)

Custom Battery Manufacturer

Electrical Characteristics

■ Nominal Capacity	2000 mAh (0.2C, 2.75 V/cell cut-off)
■ Nominal Voltage	22.2 V
■ AC Impedance	≤ 130 mΩ (pack, after assembly, estimated)
■ Cycle Life	≥ 500 cycles @0.2C/0.2C (≥ 80% capacity)
■ Self Discharge Rate	≤ 3% per month @25 °C

Mechanical Characteristics

■ Cell Configuration	6 × 21700 Li-ion cell (6S1P)
■ Typical Weight	approx. 460 g (estimated)
■ Dimensions (T×W×H)	23 × 132 × 77 mm (estimated)
■ Wire	18AWG red / black leads
■ Connector	JST white connector (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	400 mA (0.2C)
■ Max. Continuous Charge Current	1000 mA (0.5C)
■ Charge Cut-off Voltage	25.2 V
■ Standard Discharge Current	400 mA (0.2C)
■ Max. Continuous Discharge Current	1000 mA (0.5C)
■ Discharge Cut-off Voltage	16.5 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.