

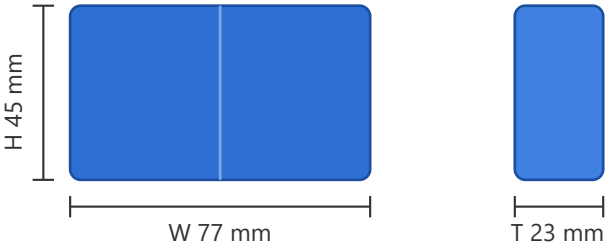
Lithium-ion Battery Pack

Product Datasheet · Model: 21700-2S1P · 7.4 V · 5000 mAh · 2S1P · with protective PCM board



Product photo — HYT 21700 2S1P 5000 mAh battery (as pictured)

Pack dimensions (2 × 21700 cells, lying orientation, tabs excluded) — not to scale



Drawing of battery pack (T×W×H)

Model: PPG 21700-2S1P 2S1P 5000 mAh 7.4 V (37.0 Wh)

Custom Battery Manufacturer

Electrical Characteristics	
Nominal Capacity	5000 mAh (0.2C, 2.75 V/cell cut-off)
Nominal Voltage	7.4 V
AC Impedance	≤ 50 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	2 × 21700 Li-ion cell (2S1P), 5000 mAh / 3.6 V each
Typical Weight	approx. 165 g (estimated)
Dimensions (T×W×H)	23 × 77 × 45 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	1000 mA (0.2C)
Max. Continuous Charge Current	2500 mA (0.5C)
Charge Cut-off Voltage	8.4 V
Standard Discharge Current	1000 mA (0.2C)
Max. Continuous Discharge Current	2500 mA (0.5C)
Discharge Cut-off Voltage	5.5 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

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.