

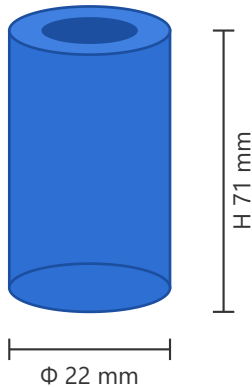
Lithium-ion Battery

Product Datasheet · Model: 21700-1S1P · 3.7 V · 5000 mAh · 1S1P · with protective PCM board



Product photo — HYT 21700 1S1P 5AH (as pictured)

Single cell 21700 dimensions (PVC wrap included, tabs excluded) — not to scale



Drawing of cell (21700)

Model: PPG 21700-1S1P 1S1P 5000 mAh 3.7 V (18.5 Wh)

Custom Battery Manufacturer

Electrical Characteristics	
Nominal Capacity	5000 mAh (0.2C, 2.75 V cut-off)
Nominal Voltage	3.7 V
AC Impedance	≤ 25 mΩ (cell)
Cycle Life	≥ 500 cycles @0.2C/0.2C (≥ 80% capacity)
Self Discharge Rate	≤ 3% per month @25 °C

Mechanical Characteristics	
Cell Configuration	1 × 21700 Li-ion cell (1S1P), 5000 mAh / 3.6 V
Typical Weight	approx. 75 g (estimated)
Dimensions (T×W×H)	Φ22 × 71 mm (PVC wrap included)
Wire	22AWG red / black leads
Connector	JST white connector (2P, as pictured); other connectors 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	4.2 V
Standard Discharge Current	1000 mA (0.2C)
Max. Continuous Discharge Current	2500 mA (0.5C)
Discharge Cut-off Voltage	2.75 V

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.