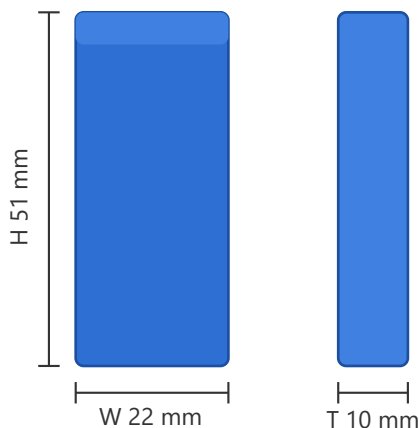


Lithium-ion Polymer Battery Pack

Product Datasheet · Model: 502248-2S · 7.4 V · 500 mAh · 2S1P · with protective PCM board



Pack dimensions (2 cells stacked, tabs excluded) — not to scale



Surface marking: "- PPG 502248-2S 7.4V / 500mAh 3.7Wh / + 20261017"
(production date code)

Drawing of battery pack (T×W×H)

Model: PPG 502248-2S 2S1P 500 mAh 7.4 V (3.70 Wh)

Custom Battery Manufacturer

Electrical Characteristics

Nominal Capacity	500 mAh (0.5C Cont., 2.75 V/cell cut-off)
Nominal Voltage	7.4 V
AC Impedance	≤ 240 mΩ
Cycle Life @0.5C/0.5C @25±5 °C	> 300 cycles
Self Discharge Rate	≤ 3% per month @25 °C

Mechanical Characteristics

Typical Weight	≈ 20 g
Dimensions (T×W×H)	10 × 22 × 51 mm
Wire	UL1571 26AWG
Connector	None (bare leads; connector on request)

Typical Applications

Smart Devices

Beauty Devices

Healthcare Devices

Wearable Devices

Digital Products

Power Tools

Charging & Discharge Characteristic

Standard Charge Current	100 mA (0.2C)
Max. Continuous Charge Current	500 mA (1C)
Charge Cut-off Voltage	8.4 V
Standard Discharge Current	100 mA (0.2C)
Max. Continuous Discharge Current	500 mA (1C)
Discharge Cut-off Voltage	5.5 V (2.75 V/cell)

Temperature Characteristic

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

PCM Specification

Over-charge Protection Voltage	4.280 ± 0.025 V/cell
Over-discharge Protection Voltage	2.900 ± 0.080 V/cell
Over-current Protection (Discharge)	3.2 ± 0.5 A
Short Circuit Protection	Available
NTC	No

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.