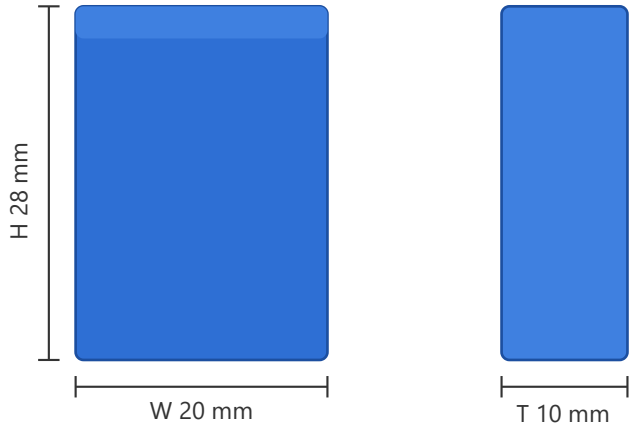
Lithium-ion Polymer Battery Pack

Product Datasheet · Model: 502025-2S · 7.4 V · 200 mAh · 2S1P · with protective PCM board

Surface marking: "- PPG 502025-2S 7.4V / 200mAh 1.48Wh / + 20261017" (production date code)

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



Drawing of battery pack (T×W×H)

Model: PPG 502025-2S 2S1P 200 mAh 7.4 V (1.48 Wh)

Custom Battery Manufacturer

Electrical Characteristics

Nominal Capacity	**200 mAh (0.5C Cont., 2.75 V/cell cut-off)**
Nominal Voltage	**7.4 V**
AC Impedance	**≤ 300 mΩ**
Cycle Life @0.5C/0.5C @25±5 °C	**> 500 cycles**
Self Discharge Rate	**≤ 3% per month @25 °C**

Mechanical Characteristics

Typical Weight	**≈ 10 g**
Dimensions (T×W×H)	**10 × 20 × 28 mm**
Wire	**UL1571 26AWG**
Connector	**None (bare leads; connector on request)**

Typical Applications

Beauty Devices · Healthcare Devices · Smart Devices · Digital Products · Wearable Devices · Power Tools

Charging & Discharge Characteristic

Standard Charge Current	**40 mA (0.2C)**
Max. Continuous Charge Current	**200 mA (1C)**
Charge Cut-off Voltage	**8.4 V**
Standard Discharge Current	**40 mA (0.2C)**
Max. Continuous Discharge Current	**200 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	**15 ~ 35 °C**

PCM Specification

Over-charge Protection Voltage	**4.280 ± 0.050 V/cell**
Over-discharge Protection Voltage	**2.900 ± 0.100 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**

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.