

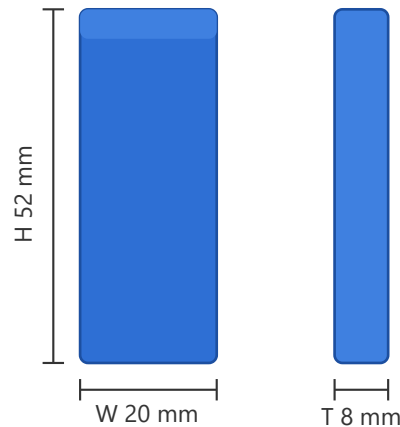
Lithium-ion Polymer Battery Pack

Product Datasheet · Model: 402050-2S · 7.4 V · 350 mAh · 2S1P · with protective PCM board



Surface marking: "- PPG 402050-2S 7.4V / 350mAh 2.59Wh / + 20261017"
(production date code)

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



Drawing of battery pack (T×W×H)

Model: PPG 402050-2S 2S1P 350 mAh 7.4 V (2.59 Wh)

Custom Battery Manufacturer

Electrical Characteristics

Nominal Capacity	350 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	> 300 cycles
Self Discharge Rate	≤ 3% per month @25 °C

Mechanical Characteristics

Typical Weight	≈ 16 g
Dimensions (T×W×H)	8 × 20 × 52 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	70 mA (0.2C)
Max. Continuous Charge Current	350 mA (1C)
Charge Cut-off Voltage	8.4 V
Standard Discharge Current	70 mA (0.2C)
Max. Continuous Discharge Current	350 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 ± 0.050 V/cell
Over-discharge Protection Voltage	2.400 ± 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.