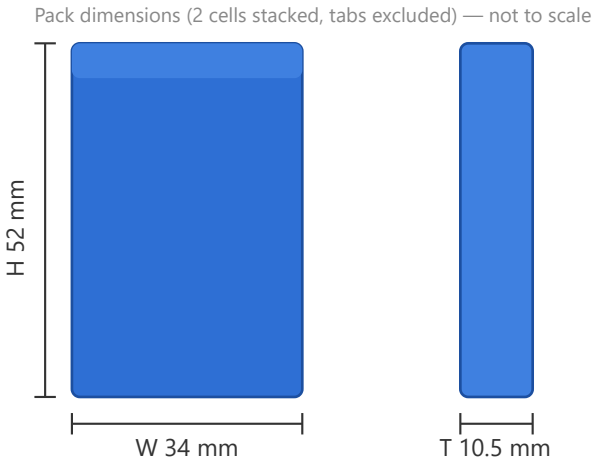


Lithium-ion Polymer Battery Pack

Product Datasheet · Model: 523450-2S · 7.4 V · 1000 mAh · 2S1P · with protective PCM board



Surface marking: "- PPG 523450-2S 7.4V / 1000mAh 7.4Wh / +" (production date code)



Drawing of battery pack (T×W×H)

Model: PPG 523450-2S 2S1P 1000 mAh 7.4 V (7.4 Wh) Custom Battery Manufacturer

Electrical Characteristics	
Nominal Capacity	1000 mAh (0.5C Cont., 2.75 V/cell cut-off)
Nominal Voltage	7.4 V
AC Impedance	≤ 180 mΩ
Cycle Life @0.5C/0.5C @25±5 °C	> 500 cycles
Self Discharge Rate	≤ 3% per month @25 °C

Mechanical Characteristics	
Typical Weight	≈ 40 g
Dimensions (T×W×H)	10.5 × 34 × 52 mm
Wire	UL3302 26AWG ×2 (red/black), bare ends
Connector	None (bare wire, tinned)

Typical Applications

Smart Devices

Beauty Devices

Healthcare Devices

Wearable Devices

GPS Trackers

Digital Products

Charging & Discharge Characteristic	
Standard Charge Current	200 mA (0.2C)
Max. Continuous Charge Current	1000 mA (1C)
Charge Cut-off Voltage	8.4 V
Standard Discharge Current	200 mA (0.2C)
Max. Continuous Discharge Current	1000 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	2.400 ± 0.100 V/cell
Over-current Protection (Discharge)	2.0 ± 0.5 A
Short Circuit Protection	Available

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.