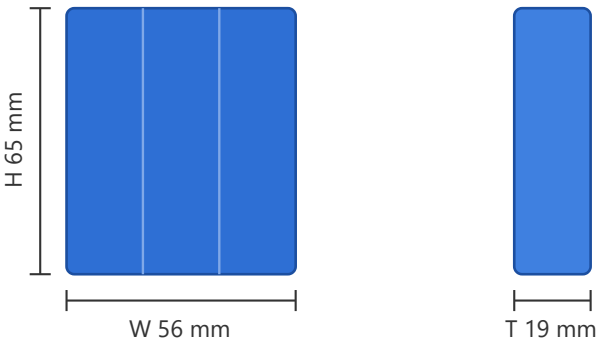


Lithium-ion Battery Pack

Product Datasheet · Model: 18650-3S1P · 11.1 V · 2500 mAh · 3S1P · with protective PCM board



Product photo — 18650 3S1P 2500 mAh Battery Pack (as pictured)



Drawing of battery pack (T×W×H)

Model: PPG 18650-3S1P 3S1P 2500 mAh 11.1 V (27.75 Wh)

Custom Battery Manufacturer

Electrical Characteristics	
■ Nominal Capacity	2500 mAh (0.2C, 2.75 V/cell cut-off)
■ Nominal Voltage	11.1 V
■ Energy	27.75 Wh
■ AC Impedance	≤ 120 mΩ (pack, after assembly, estimated)
■ Cycle Life	≥ 500 cycles @0.2C/0.2C (≥ 80% capacity)
■ Self Discharge Rate	≤ 3% per month @25 °C

Mechanical Characteristics	
■ Cell Configuration	3 × 18650 Li-ion cell (3S1P), 2500 mAh / 3.7 V each
■ Typical Weight	approx. 150 g (estimated)
■ Dimensions (T×W×H)	19 × 56 × 65 mm (estimated)
■ Wire	Red / black silicone leads
■ Connector	White JST plug (as pictured); others on request

Typical Applications

E-bikes & Scooters

Energy Storage

Portable Power

Backup Power

Instruments & Meters

Lighting

Remote Control Robots

Charging & Discharge Characteristic	
■ Standard Charge Current	500 mA (0.2C)
■ Max. Continuous Charge Current	1250 mA (0.5C)
■ Charge Cut-off Voltage	12.6 V
■ Standard Discharge Current	500 mA (0.2C)
■ Max. Continuous Discharge Current	1250 mA (0.5C)
■ Discharge Cut-off Voltage	8.25 V (2.75 V/cell)

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.