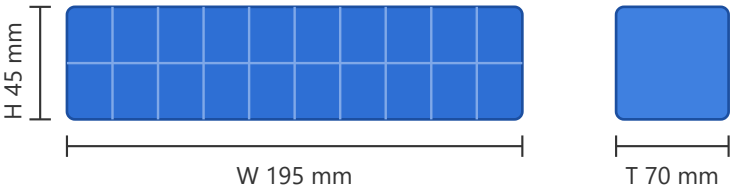


Lithium-ion Battery Pack

Product Datasheet · Model: 18650-10S2P · 36 V · 4000 mAh · 10S2P · with protective PCM board



Product photo — 18650 10S2P 4000 mAh Battery Pack (as pictured)



Pack dimensions (20 × 18650 cells, estimated) — not to scale

Drawing of battery pack (T×W×H)

Model: PPG 18650-10S2P 10S2P 4000 mAh 36 V (144 Wh) Custom Battery Manufacturer

Electrical Characteristics	
Nominal Capacity	4000 mAh (0.2C, 2.75 V/cell cut-off)
Nominal Voltage	36 V
Energy	144 Wh
AC Impedance	≤ 220 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	20 × 18650 Li-ion cell (10S2P), 2000 mAh / 3.7 V each
Typical Weight	approx. 950 g (estimated)
Dimensions (T×W×H)	70 × 195 × 45 mm (estimated)
Wire	Red / black silicone leads
Connector	Open leads (as pictured); connector on request

Typical Applications	
E-bikes & Scooters	Energy Storage
Portable Power	Backup Power
Instruments & Meters	Lighting

Charging & Discharge Characteristic	
Standard Charge Current	800 mA (0.2C)
Max. Continuous Charge Current	2000 mA (0.5C)
Charge Cut-off Voltage	42 V
Standard Discharge Current	800 mA (0.2C)
Max. Continuous Discharge Current	2000 mA (0.5C)
Discharge Cut-off Voltage	27.5 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.