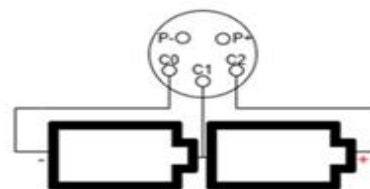
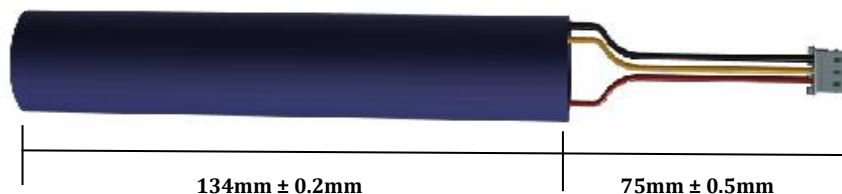


TT1200C-7V2-3.4Ah



AWG24 stranded UL1430



General Information

Battery Type	18650 Lithium-Ion Pack
Configuration	2 x 18650 connected in series (2S)
Nominal Voltage	7.2 V
Capacity Energy Rating	3400 mAh / 25.8 Wh
Weight	Approx. 100g
Wire	AWG24 stranded UL1430 (Red wire (+), Black wire (-), Yellow (TS))
Connector	Molex 5264-03 (custom option available)
PCM	Yes (Protection Circuit Module Included)

Electrical Specification

Nominal Voltage	7.2 V
Rated Capacity	3400 mAh at 0.2C at 25°C
Watt-hour Rating	25.8 Wh
Charging Method	Constant Current + Constant Voltage (CC-CV)
Max Charge Voltage	4.25 V any cell
Max Continuous Charge Current	260 mA (0°C to +5°C) - limited by cell 520 mA (+5°C to +15°C) - limited by cell 1300 mA (+15°C to +45°C) - limited by cell
Max Continuous Discharge Current	2500 mA (limited by connector)
Recommended Discharge Cut-off	2.8 V any cell
Internal Impedance	Approx. 120 mΩ
Expected Cycle Life	≥ 750 cycles (≥ 80% capacity retention)

Safety & Protection

Overcharge Protection	4.25V any cell (0.8 sec. to 1.2 sec. delay)
- Resume Option 1	4.00 V ± 0.20 V all cells
Over discharge Protection	2.80 V any cell (76.8 msec. to 115.2 msec. delay)
- Resume	3.00 V ± 0.20 V all cells
Overcurrent Protection	5.70 A to 11.7 A (9.6 msec. to 14.4 msec. delay)

Environmental Conditions

Operating Temperature:	
- Charge	0 °C to +45 °C
- Discharge	-20 °C to +60 °C
Storage Conditions:	
- 1 month	-20 °C to +60 °C (≥ 90% capacity retention)
- 1 year	-20 °C to +40 °C (≥ 90% capacity retention)
Humidity	0 to 85% Rh

Certifications & Compliance

Safety Certifications:	IEC 62133 ed.2 compliant UN38.3 Compliant RoHS Compliant UL2054 Please follow Teviot Technology safety and precautions for Li-Ion & Li-Polymer batteries.
Handling	Please follow Teviot Technology safety and precautions for Li-Ion & Li-Polymer batteries.



TT1200C-7V2-3.4Ah



BOM – TT1200C-7V2-3.4Ah (Stacked 2S, Panasonic NCR18650GA, 134mm Pack)

Item No.	Component	Description	Qty	Notes
1	18650 Li-Ion Cells	Panasonic NCR18650GA (3.4Ah, 3.6V, NMC)	2	2S stacked inline (total length = 134mm)
2	PCM (Protection Circuit Module)	With overcharge, over-discharge, overcurrent protection	1	Mounted near Cell- end
3	Connector Housing	Molex 5264-03	1	Pin 1 Bat - (black) Pin 2 TS (Yellow) Pin 3 Bat +(Red)
4	Terminal Crimps	Molex 50079-8000, AWG24 compatible	3	
5	External Wire-Bat+	UL1430, AWG24 stranded, 75mm	1	BMS output + to connector
6	External Wire-Bat-	UL1430, AWG24 stranded, 75mm	1	BMS output - to connector
7	External Wire-TS	UL1430, AWG24 stranded, 75mm	1	Connected lead to Bat -
8	Internal Tap Wire	Pure Nicket Strip	1	From Cell+ (far end) to BMS
9	Internal Tap Wire	Pure Nicket Strip	1	From Cell- to BMS
10	Internal Tap Wire	Pure Nicket Strip	1	From midpoint (between cells) to BMS
11	Nickel Strips	Pure Nickel, Spot Welded	As req.	For 2S interconnect
12	Heat Shrink Sleeve / Wrap	Flame-retardant PVC, for 134mm pack	1 set	Final protective insulation
13	Insulator Rings (Hollow)	PVC discs for positive terminals	2	Top terminal short protection
14	Label / Sticker	Product name, specs	1	Teviot branding
15	Temperature Sensor	Thin Film Temperature Sensor	1	Pin 1: Bat(-) 2: Molex 5264-03 pin 2

