CELL-CON
battery & charger solutions

D91120

Standard Battery Pack
Li-Ion 3.70V / 2.00Ah /
7.40Wh

Features

- Off-the-shelf single cell pack with high-energy density in a slim and compact design

- Allows to develop smaller and lightweight portable devices with long runtime, lower NRE costs and shorter time to market

- Fuel Gauge based on Impedance Tracking^{TM} delivers accurate Time-To-Empty & Remaining Capacity predictions over the life time

- I²C communication

- Temperature protection by NTC

- Comprehensive charging/discharging and passive safety systems

- Worldwide approvals

- Registered with recycling systems worldwide

Applications

Suitable for use with hand held compact devices in industrial and medical areas, etc.

Specification

General	
Delivery status battery capacity	max. 30%
Compliance information	IEC62133 / CE / UL2054 / FCC / PSE / KC / Gost / EAC / CQC / RCM / BIS / TISI / UN38.3 / RoHS / REACH
Operating temperature	0°C to 45°C (charge) -20°C to 60°C (discharge)
Storage temperature	-20°C to 60°C max. -20°C to 20°C recommended

Electrical Parameters	
Nominal voltage	3.70V
Nominal capacity	2.00Ah
Initial impedance	<100.00mΩ @ 1kHz at 20°C
Max. charge current	1.10A
Max. charge voltage	4.20V
Max. discharge	2.00A
Life expectancy @ 25°C 1.00A Charge/1.00A Discharge	>300 cycles with ≥ 80% of initial capacity

Battery Dimensions	
Length	52.50mm ±0.40mm
Width	34.78mm ±0.40mm
Thickness	11.30mm max.
Weight	42g
Contacts	+, -, SDA (NTC), SCL

Safety Parameters PCM	
Overcharge detection voltage	4.28V
Overdischarge detection voltage	2.80V
Overcharge detection current	1.36A
Overdischarge detection current	2.27A

Recommended Accessories

Type		Product	P/N	Application
Standard Battery Charger		SCC1120	D90522	5.00W standard battery charger for optimized charging process with external power supply for worldwide use.
Battery Mating Connector		MC11-90-2	D90553	Mating Connector for standard semi smart batteries D91120, D91130. Available for 90° PCB mounting.

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