

Engineering Data Sheet

Part No: SM221 14.4V, 5.85Ah

With TI bq20Z95 v1.50 Impedance Z Track and UR18650RX Cell



Dimensions
FOR REFERENCE ONLY

Millimeters Inches



Terminals
A – Negative
B – Thermistor
C – Data
D – Clock
E – Positive
F – Key

	Maximum	Minimum	Maximum	Minimum
Thickness	22.60	21.60	.889	.850
Width	59.10	58.47	2.327	2.302
Length	285.24	283.97	11.23	11.18

Chemical System: Lithium Ion (Li-Ion)
Battery Voltage: 14.4V
Terminals: Recessed
Nominal Capacity: 5850mAh
Watt hours: 84Wh
Smart Battery 1.1 Compliant

Nominal Weight: 633 grams approximate
Terminals: Recessed

Capacity	Nominal	5850 mAh
Effective Internal Resistance	Nominal	125 milliohms
Maximum Discharge Current	Continuous	12A
Charging	Charging Voltage:	16.8V
	Charging Time @ 1.5A	100% In 5 hours
	Maximum Charging Current:	1.5A
Temperature	Storage (°C)	-20°C to +50°C
	Discharge (°C)	-20°C to +60°C
	Charge (°C)	0°C to +40°C