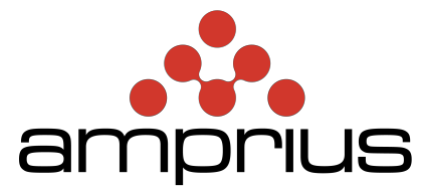
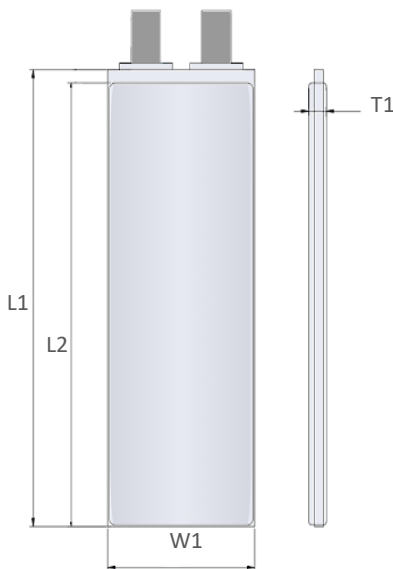


SA08

Rechargeable Lithium-Ion Cell



10.6 Ah Power Cell



Specifications

Capacity	Typical @ C/5	10800 mAh
		37.85 Wh
	Minimum	10600 mAh
		37.10 Wh
Cell Voltage	Nominal	3.40 V
	Charge	4.20 V
	Discharge	2.50 V
Discharge Current	Max Continuous	42.4 A (4C)
	Max Pulse (≤ 30 seconds)	84.8 A (8C)
Charge Current	Typical	2.12 A (C/5)
	Maximum (0% to 100% SOC)	31.8 A (3C)
Temperature Range	Discharge	-20 to 60°C
	Charge	0 to 60°C
	Storage	-20 to 45°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	$\leq 6\text{m}\Omega$
	DCIR	$\leq 10\text{m}\Omega$
Cycle Life	+1C/-2C, to 80% SOH	200 cycles
Weight		104.5 \pm 2g
Packaging		Pouch
Cathode		NMC
Energy Density Including packaging	Gravimetric	360 Wh/kg
	Volumetric (@ 30% SOC)	805 Wh/l

Dimensions

Size	L1	144.5 \pm 1.0mm
	L2	134.3 \pm 0.8mm
	W1	52.0 \pm 1.5mm
	T1 (@ 30% SOC, Fresh)	6.25 \pm 0.25mm

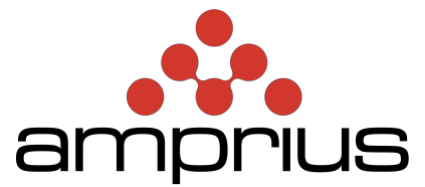
Technical Data Sheet | AMP-TDS-SA08-R2

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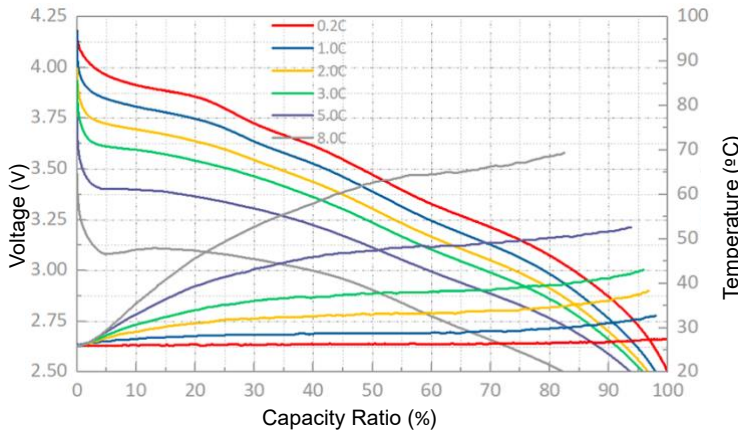
Rechargeable Lithium-Ion Cell



10.6 Ah Power Cell

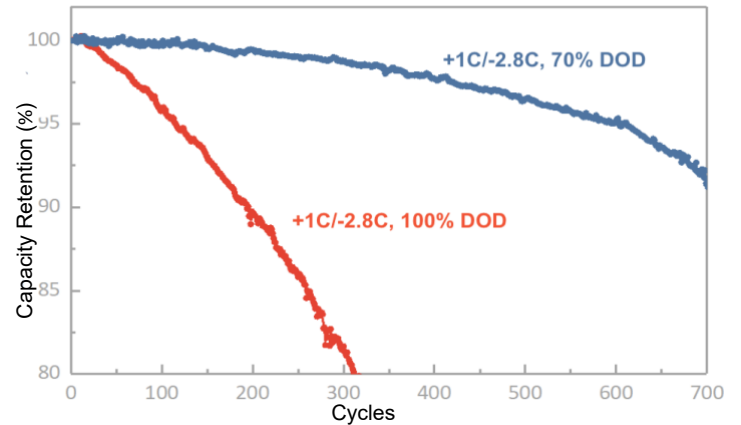
Discharge Rate Capability

At Room Temperature



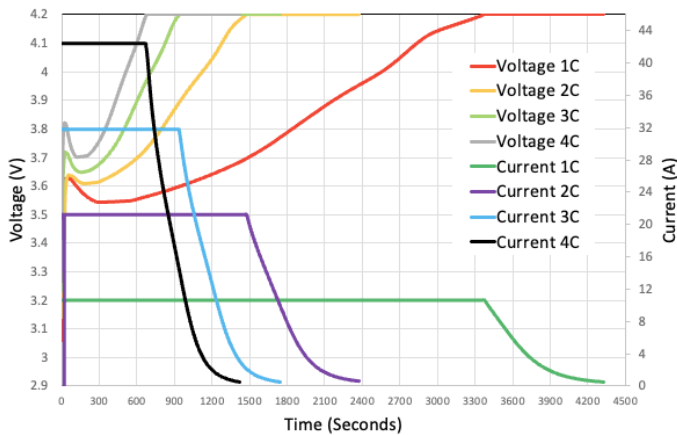
Cycle Life Performance

At Room Temperature



Charge Profiles

Room Temperature at 1C, 2C, 3C, & 4C Rates



High/Low Temperature Discharge Performance

Discharge Capacity (Ah) @ 0.2C Vs Voltage (V) at various temperatures

