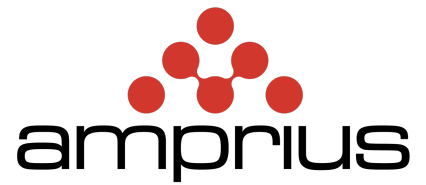
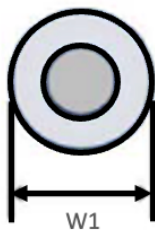
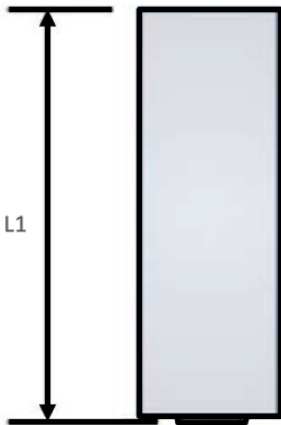


# SA17

SiCore™ | Rechargeable Lithium-Ion Cell



6Ah Energy + Mid Power 21700 Cell



## Specifications

Capacity	Typical	6000 mAh 21.6 Wh
	Minimum	5850 mAh 21.06 Wh
Cell Voltage	Nominal	3.60 V
	Charge	4.20 V
	Discharge	2.50 V
Discharge Current	Max Continuous	18 A (3C)
	Max Pulse ( $\leq 30$ seconds)	30 A (5C)
Charge Current	Typical	3 A (C/2)
	Maximum (0% to 100% SOC)	6 A (1C)
Temperature Range Ambient	Discharge	-20 to 60°C
	Charge	0 to 45°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	$\leq 25$ m $\Omega$
Cycle Life	+0.5C / -1C, 4.2 to 2.75V	600 cycles
Weight		74 $\pm$ 1 g
Packaging		21700 Cylindrical
Cathode		NMC
Energy Density	Gravimetric	300 Wh/kg
	Volumetric	830 Wh/l
Certifications*	UN38.3, IEC 62133*, UL 1642*	

## Dimensions

Size	L1	70.95 $\pm$ 0.2mm
	W1	21.65 $\pm$ 0.2mm

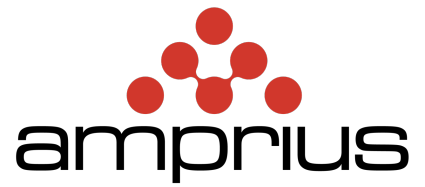
Technical Data Sheet | AMP-TDS-SA17-R2

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# SA17

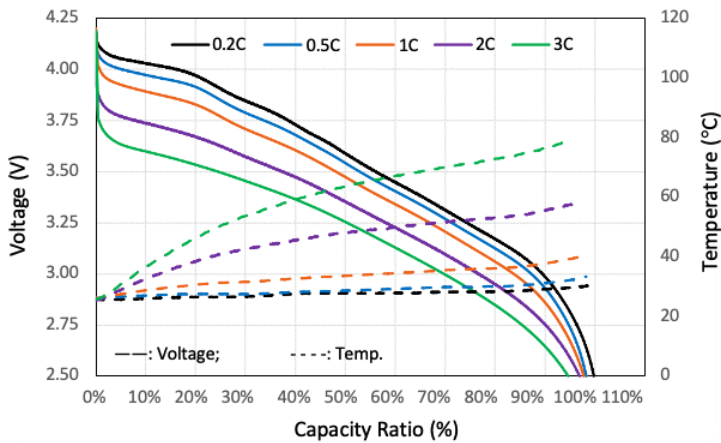
SiCore™ | Rechargeable Lithium-Ion Cell



## 6Ah Energy + Mid Power 21700 Cell

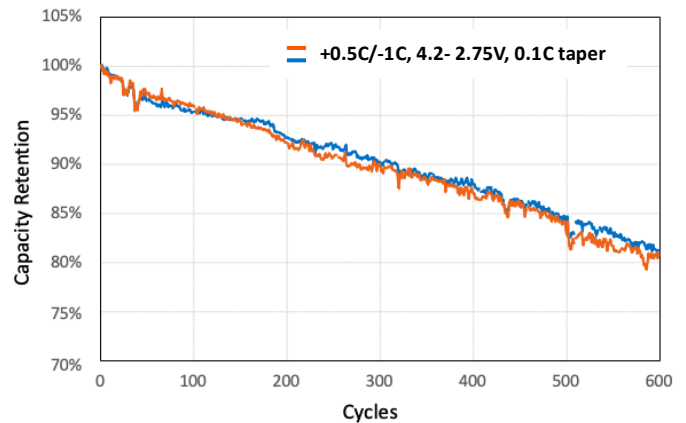
### Discharge Rate Capability

At Room Temperature



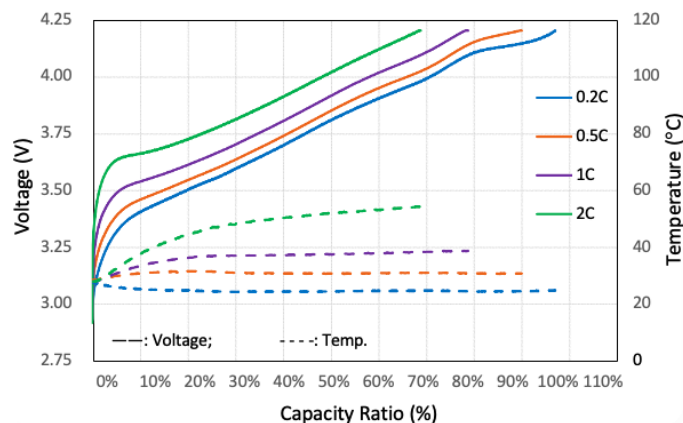
### Cycle Life Performance

At Room Temperature



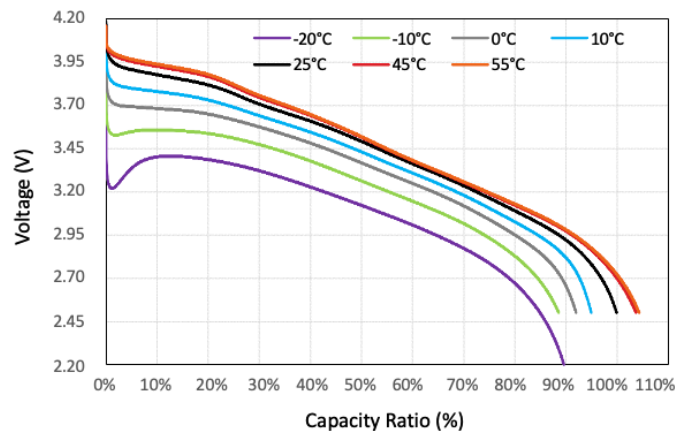
### Charge Rate Capability

At Room Temperature at 0.2C, 0.5C, 1C, 2C



### High/Low Temperature Discharge Performance

Discharge Capacity (Ah) @ 1C vs. Voltage (V) at various temperatures



Technical Data Sheet | AMP-TDS-SA17-R2

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