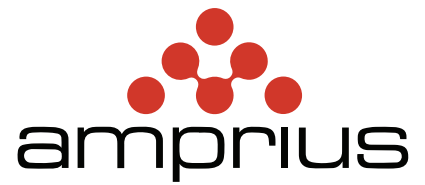


SA17

SiCore™ | Rechargeable Lithium-Ion Cell

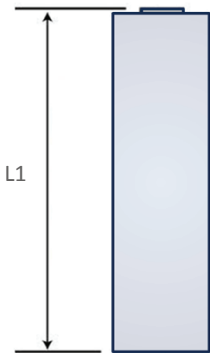


6 Ah Energy + Mid Power 21700 Cell



Specifications

Capacity	Typical @ C/5	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 (≤ 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
	Storage	-20 to 30°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤ 25 m Ω
Cycle Life	+0.5C/-1C, 4.2 to 2.75V	600 cycles
Weight		74 \pm 1g
Packaging		21700 Cylindrical
Cathode		NMC
Energy Density Including packaging	Gravimetric	300 Wh/kg
	Volumetric (@ 30% SOC)	830 Wh/L
Certifications		UN38.3 IEC62133, UL1642*



Dimensions

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

*Q3 2025

Technical Data Sheet | AMP-TDS-SA17-R4

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