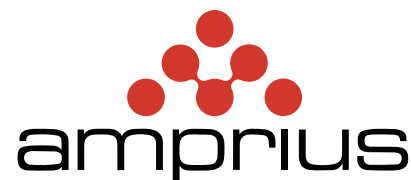
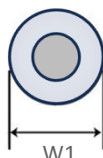
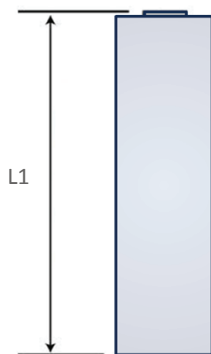


SA10

SiCore™ | Rechargeable Lithium-Ion Cell



4 Ah Energy + Mid Power 18650 Cell



Specifications

Capacity	Typical	4000 mAh
		14.41 Wh
	Minimum	3850 mAh
		13.86 Wh
Cell Voltage	Nominal	3.60 V
	Charge	4.20 V
	Discharge	2.50 V
Discharge Current	Max Continuous	12 A (3C)
	Max Pulse (< 30 seconds)	20 A (5C)
Charge Current	Typical	2 A (C/2)
	Maximum (0% to 100% SOC)	4 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 mΩ
Cycle Life	+0.5C/-1C, 4.2 to 2.75V	600 cycles
Weight		48 ± 2g
Packaging		18650 Cylindrical
Cathode		NMC
Energy Density Including packaging	Gravimetric	300 Wh/kg
	Volumetric (@ 30% SOC)	830 Wh/L
Certifications	UN38.3 IEC62133, UL1642*, PSE	

Dimensions

Size	L1	65.05 ±0.15mm
	W1	18.35 ±0.15mm

Technical Data Sheet | AMP-TDS-SA10-R3

*Q3 2025

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