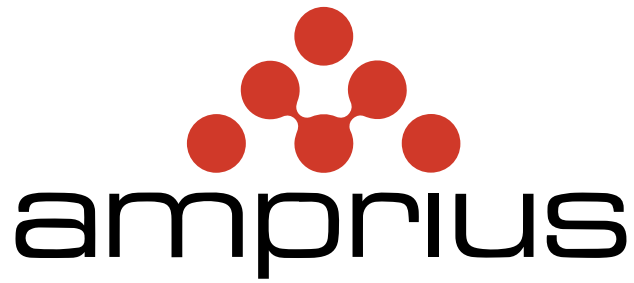




Product Portfolio

Q2 2026





Amprius Technologies is a pioneer in advanced lithium-ion battery technology, delivering industry-leading energy density with its proprietary silicon anode platforms. Our silicon anode cells offer up to 450 Wh/kg and 1,150 Wh/L—among the highest levels commercially available today.

Headquartered in Fremont, California, Amprius operates a megawatt-hour-scale facility for R&D and cell production and has secured over 2 GWh of contract manufacturing capacity through strategic partnerships. This outsourced manufacturing model enables rapid scalability and reliable high-volume delivery. Amprius' technology is trusted by leading innovators in aerospace, defense, and mobility—accelerating electrification across the most demanding missions.

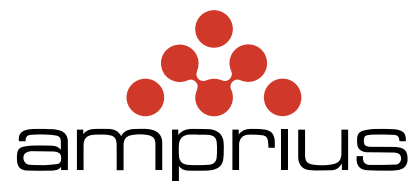


Table of Contents

	SiCore Pouch	SiCore Cylindrical	High Energy Cell	High Power Cell	Balanced Cell
SA02	X				X
SA03	X		X		
SA04	X				X
SA08	X			X	
SA09	X		X		
SA11	X				X
SA19	X			X	
SA23	X				X
SA24		X			X
SA30	X			X	
SA34	X		X		
SA88	X			X	
SA90	X				X
SA102	X		X		
SA107	X		X		
SA108	X			X	
SA109	X		X		
SA110		X			X
SA112		X	X		
SA117		X			X
SA124		X		X	
SA129	X			X	
SA133	X				X
SA134	X				X
SA504	X			X	

SA02

SiCore™ | Rechargeable Lithium-Ion Cell



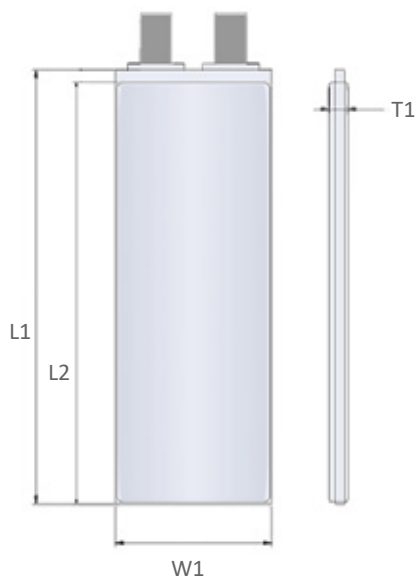
11.25 Ah Energy + Power Balanced Cell

Specifications

Capacity	Typical @ C/5	11250 mAh 39.38 Wh
	Minimum	11000 mAh 38.50 Wh
Cell Voltage	Nominal	3.50 V
	Charge	4.20 V
	Discharge	2.50 V
Discharge Current	Max Continuous	33.0 A (3C)
	Max Pulse (≤ 30 seconds)	55.0 A (5C)
Charge Current	Typical	2.20 A (C/5)
	Maximum (0% to 100% SOC)	11.0 A (1C)
Temperature Range Ambient	Discharge	-20 to 55°C
	Charge	0 to 55°C
	Storage	-20 to 30°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤ 10 m Ω
Cycle Life	+1C/-1C, 100% DOD to 80% SOH	700 cycles
	+1C/-1C, 90% DOD to 80% SOH	1000 cycles
Weight		111.2 \pm 2g
Packaging		Pouch
Cathode		NMC
Energy Density Including packaging	Gravimetric (@ 1C discharge)	340 Wh/kg
	Volumetric (@ 30% SOC)	770 Wh/L
Certifications		UN 38.3, IEC 62133, BIS

Dimensions

Size	L1	139.5 \pm 0.6mm
	L2	134.3 \pm 0.8mm
	W1	52.5 \pm 1.5mm
	T1 (@ 30% SOC)	6.74 \pm 0.25mm



Technical Data Sheet | AMP-TDS-SA02-R7

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA02

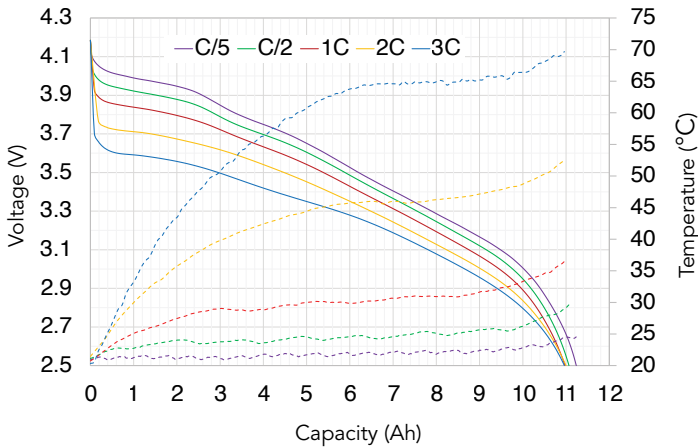
SiCore™ | Rechargeable Lithium-Ion Cell



11.25 Ah Energy + Power Balanced Cell

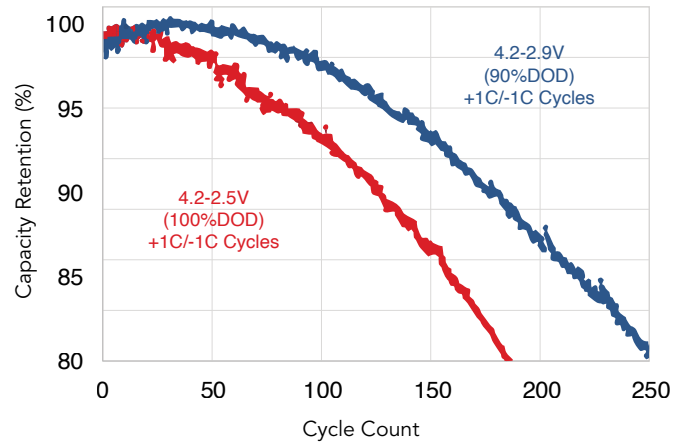
Discharge Rate Capability

0.2C, 0.5C, 1C, 2C, 3C at Room Temperature



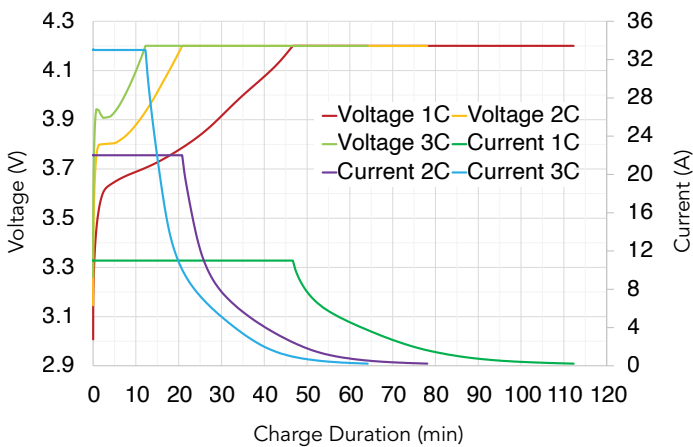
Cycle Life Performance

+1C/-1C, Different DoDs at Room Temperature



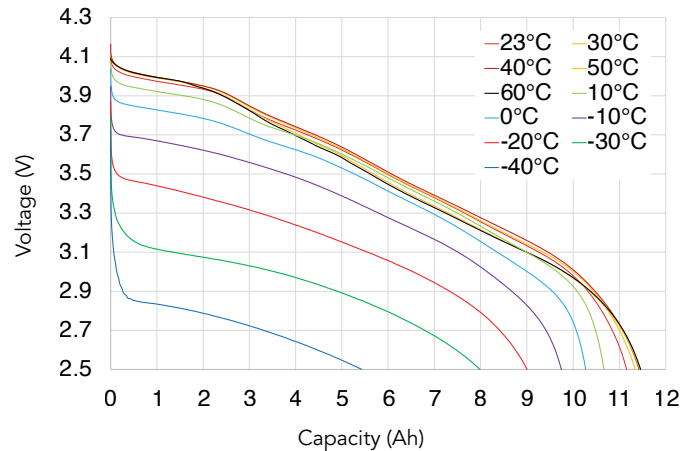
Charge Rate Profiles

1C, 2C, 3C at Room Temperature



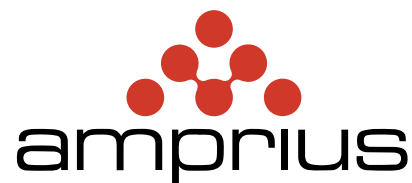
High/Low Temperature Discharge Performance

Discharge Capacity at 0.2C at Various Temperatures



SA03

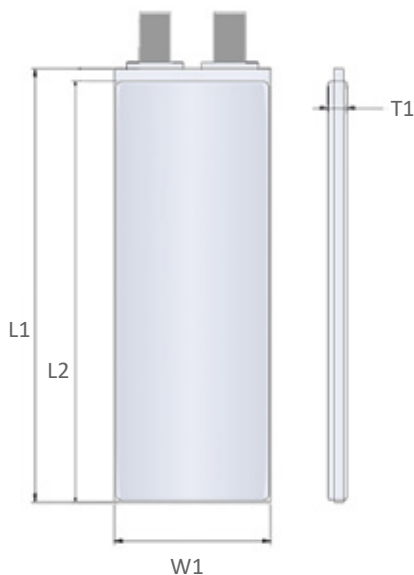
SiCore™ | Rechargeable Lithium-Ion Cell



11.84 Ah Energy Cell

Specifications

Capacity	Typical @ C/5	11840 mAh 40.26 Wh
	Minimum	11600 mAh 39.44 Wh
Cell Voltage	Nominal	3.40 V
	Charge	4.20 V
	Discharge	2.50 V
Discharge Current	Max Continuous	11.6 A (1C)
	Max Pulse (≤ 30 seconds)	34.8 A (3C)
Charge Current	Typical	2.36 A (C/5)
	Maximum (0% to 100% SOC)	3.93 A (C/3)
Temperature Range Ambient	Discharge	-20 to 55°C
	Charge	10 to 55°C
	Storage	-20 to 45°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤ 20 m Ω
Cycle Life	+0.3C/-1C, 100% DOD to 80% SOH	300 cycles
	+0.3C/-1C, 70% DOD to 90% SOH	700 cycles
Weight		102.0 \pm 2g
Packaging		Pouch
Cathode		NMC
Energy Density Including packaging	Gravimetric	400 Wh/kg
	Volumetric (@ 30% SOC)	875 Wh/L
Special Note	External clamping of 15 PSI is recommended	
Certifications	UN38.3, BIS, CE, IEC62133	



Dimensions

Size	L1	139.0 \pm 0.6mm
	L2	134.3 \pm 0.8mm
	W1	52.5 \pm 1.5mm
	T1 (@ 30% SOC)	6.32 \pm 0.25mm

Technical Data Sheet | AMP-TDS-SA03-R7

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA03

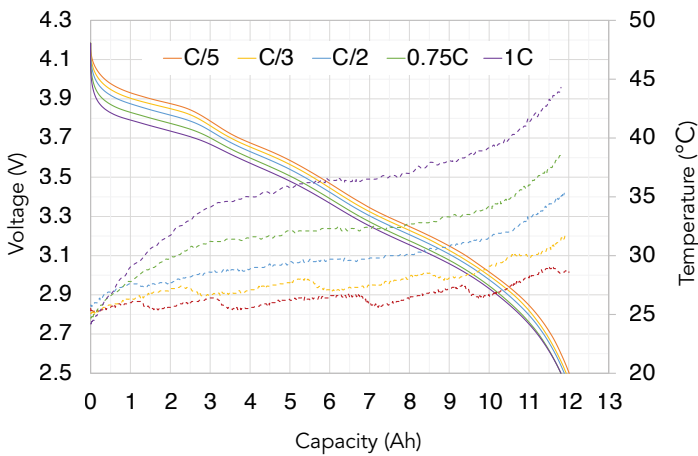
SiCore™ | Rechargeable Lithium-Ion Cell



11.84 Ah Energy Cell

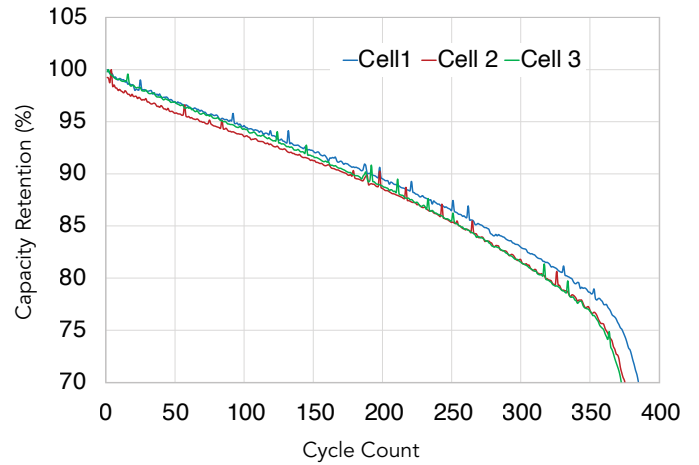
Discharge Rate Capability

0.2C, 0.33C, 0.5C, 0.75C, 1C at Room Temperature



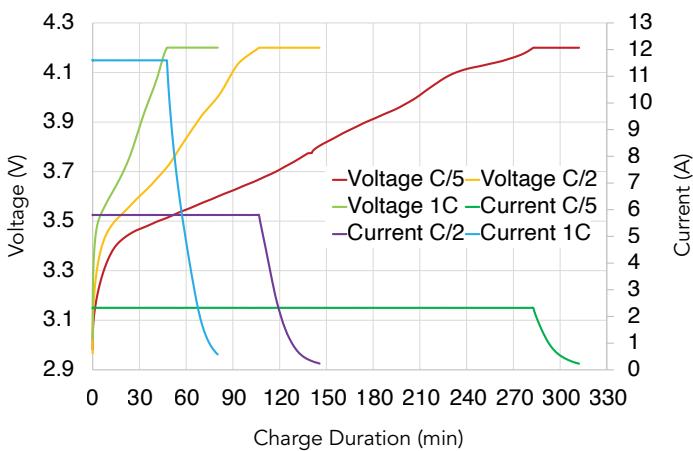
Cycle Life Performance

+0.33C/-1C, 100% DoD at Room Temp, No Compression



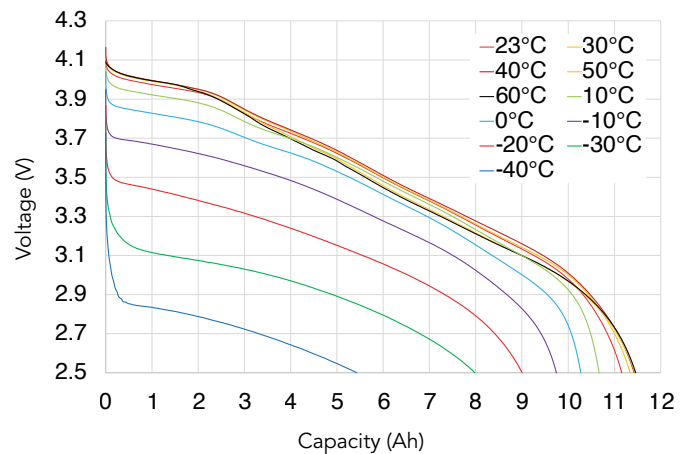
Charge Rate Profiles

0.2C, 0.5C, 1C at Room Temperature



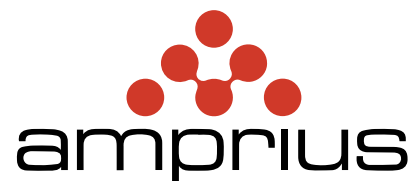
High/Low Temperature Discharge Performance

Discharge Capacity at 0.2C at Various Temperatures



SA04

SiCore™ | Rechargeable Lithium-Ion Cell



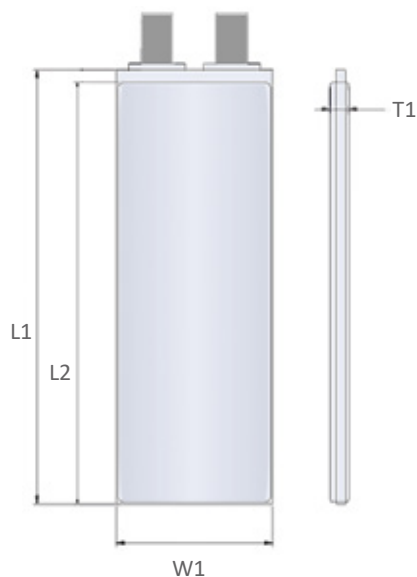
8.9 Ah Long Cycle Life Cell

Specifications

Capacity	Typical @ C/5	8900 mAh 32.04 Wh
	Minimum	8767 mAh 31.56 Wh
Cell Voltage	Nominal	3.60 V
	Charge	4.20 V
	Discharge	2.50 V
Discharge Current	Max Continuous	26.7 A (3C)
	Max Pulse (≤ 30 seconds)	26.7 A (3C)
Charge Current	Typical	1.78 A (C/5)
	Maximum (0% to 100% SOC)	8.9 A (1C)
Temperature Range Ambient	Discharge	-20 to 55°C
	Charge	0 to 55°C
	Storage	-20 to 30°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤ 8 m Ω
Cycle Life	+1C/-1C, 100% DOD to 80% SOH	1400 cycles
	+1C/-1C, 87% DOD to 80% SOH	3000 cycles
Weight		102.8 \pm 1g
Packaging		Pouch
Cathode		NMC
Energy Density Including packaging	Gravimetric	315 Wh/kg
	Volumetric (@ 30% SOC)	680 Wh/L
Certifications		UN 38.3

Dimensions

Size	L1	139.1 \pm 0.5mm
	L2	133.0 \pm 1.2mm
	W1	52.1 \pm 1.2mm
	T1 (@ 30% SOC, Fresh)	6.5 \pm 0.3mm



Technical Data Sheet | AMP-TDS-SA04-R6

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA04

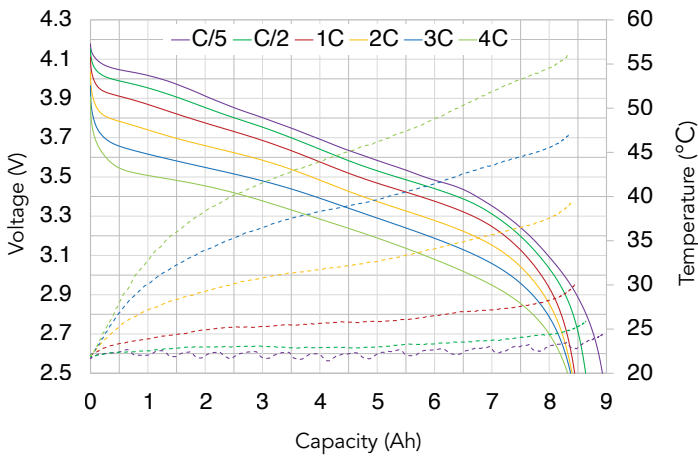
SiCore™ | Rechargeable Lithium-Ion Cell



8.9 Ah Long Cycle Life Cell

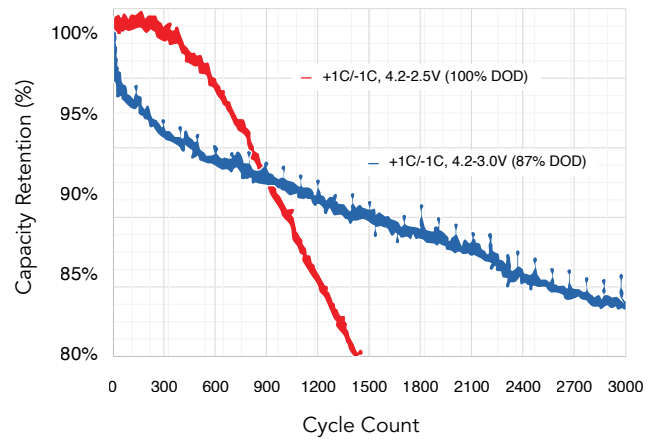
Discharge Rate Capability

0.2C, 0.5C, 1C, 2C, 3C, 4C at Room Temperature



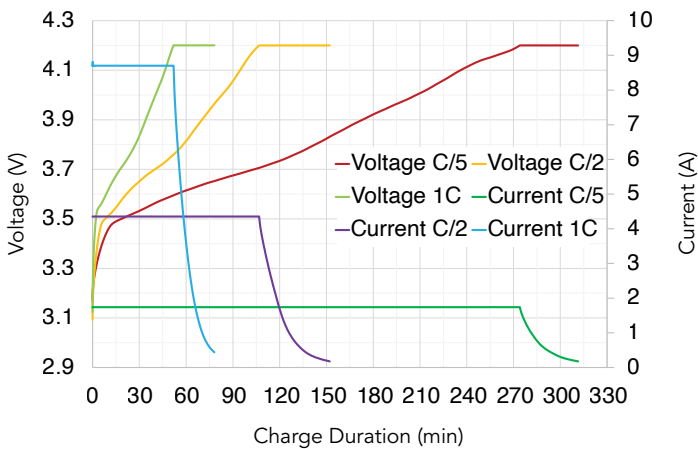
Cycle Life Performance

+1C/-1C, Different DoDs at Room Temperature



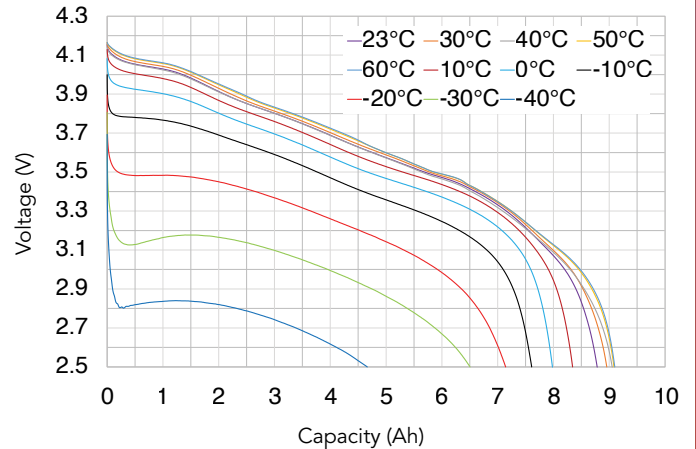
Charge Rate Profiles

0.2C, 0.5C, 1C at Room Temperature



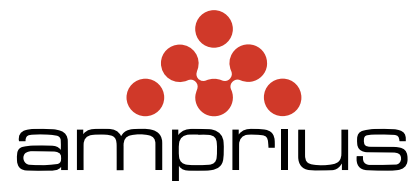
High/Low Temperature Discharge Performance

Discharge Capacity at 0.2C at Various Temperatures



SA08

SiCore™ | Rechargeable Lithium-Ion Cell



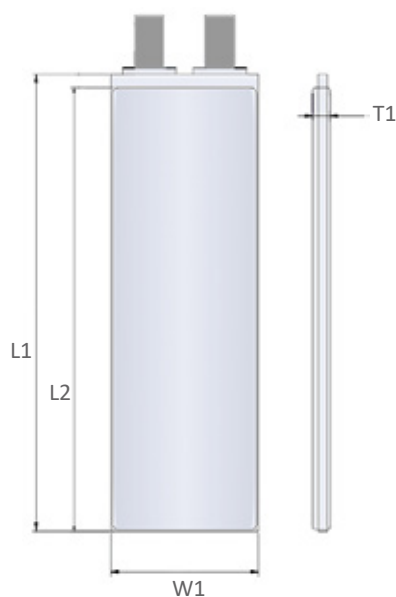
11.05 Ah Power Cell

Specifications

Capacity	Typical @ C/5	11050 mAh 37.57 Wh
	Minimum	10800 mAh 36.72 Wh
Cell Voltage	Nominal	3.40 V
	Charge	4.20 V
	Discharge	2.50 V
Discharge Current	Max Continuous	54.0 A (5C)
	Max Pulse (≤ 30 seconds)	86.4 A (8C)
Charge Current	Typical	2.16 A (C/5)
	Maximum (0% to 100% SOC)	32.4 A (3C)
Temperature Range Ambient	Discharge	-20 to 60°C
	Charge	0 to 60°C
	Storage	-20 to 45°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤ 6 m Ω
Cycle Life	+1C/-3C, 100% DOD to 80% SOH	250 cycles
	+1C/-3C, 70% DOD to 90% SOH	700 cycles
Weight		106.5 \pm 2g
Packaging		Pouch
Cathode		NMC
Energy Density Including packaging	Gravimetric (@ 1C discharge)	345 Wh/kg
	Volumetric (@ 30% SOC)	750 Wh/L
Certifications		UN38.3, IEC62133, BIS

Dimensions

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



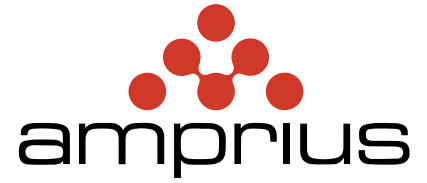
Technical Data Sheet | AMP-TDS-SA08-R6

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA08

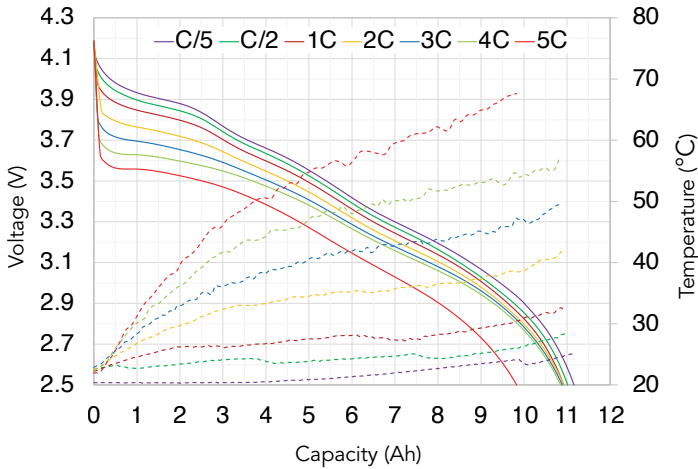
SiCore™ | Rechargeable Lithium-Ion Cell



11.05 Ah Power Cell

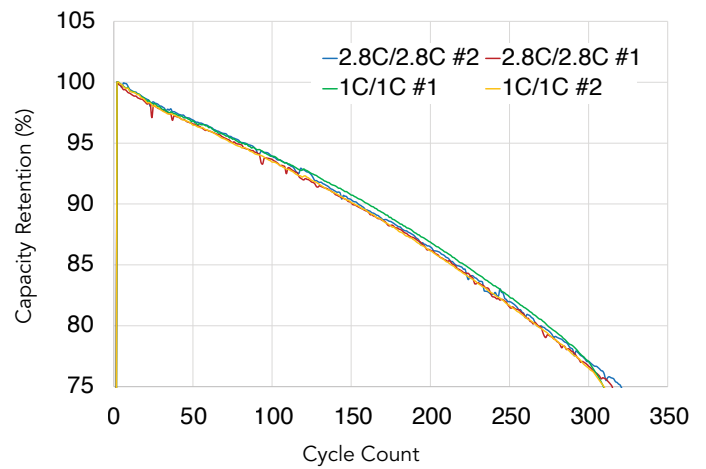
Discharge Rate Capability

0.2C, 0.5C, 1C, 2C, 3C, 4C, 5C at Room Temperature



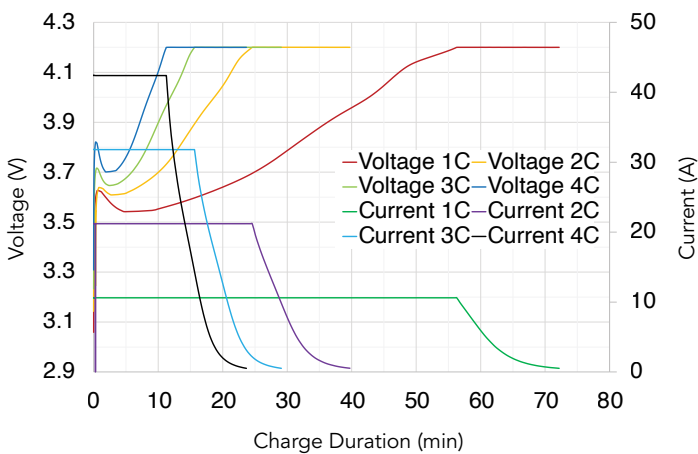
Cycle Life Performance

Different Rates, 100% DoD at Room Temperature



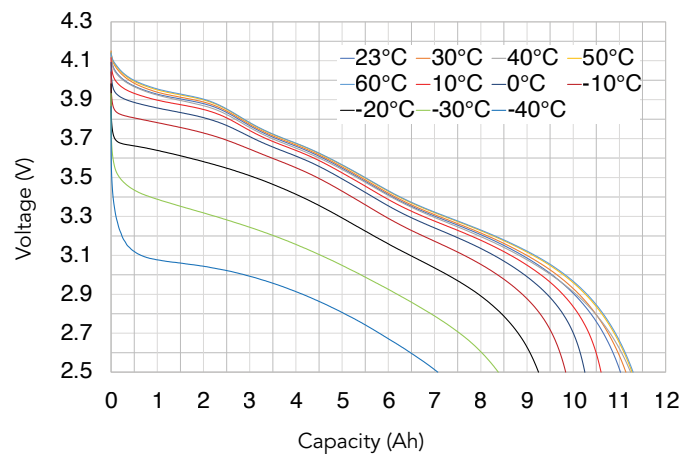
Charge Rate Profiles

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



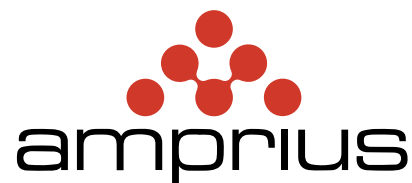
High/Low Temperature Discharge Performance

Discharge Capacity at 0.2C at Various Temperatures



SA09

SiCore™ | Rechargeable Lithium-Ion Cell



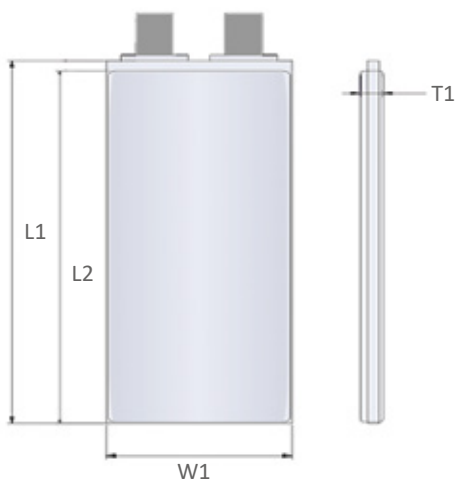
8.18 Ah Energy Cell

Specifications

Capacity	Typical @ C/5	8180 mAh
		27.81 Wh
	Minimum	8000 mAh
		27.20 Wh
Cell Voltage	Nominal	3.40 V
	Charge	4.20 V
	Discharge	2.50 V
Discharge Current	Max Continuous	8.0 A (1C)
	Max Pulse (≤ 30 seconds)	24.0 A (3C)
Charge Current	Typical	1.6 A (C/5)
	Maximum (0% to 100% SOC)	1.6 A (C/5)
Temperature Range Ambient	Discharge	-20 to 60°C
	Charge	10 to 55°C
	Storage	-20 to 45°C
Internal Resistance	ACIR (1 kHz @ 50% SOC)	≤ 20 m Ω
Cycle Life	+0.3C/-1C, 80% SOH, No Clamping	150 cycles
	+0.3C/-1C, 90% SOH, 15 PSI	150 cycles
Weight		72.5 \pm 2g
Packaging		Pouch
Cathode		NMC
Energy Density Including packaging	Gravimetric	395 Wh/kg
	Volumetric (@ 30% SOC)	805 Wh/L
Special Note	External clamping of 15 PSI recommended	
Certifications	UN 38.3	

Dimensions

Size	L1	95.5 \pm 1.0mm
	L2	90.0 \pm 1.0mm
	W1	56.7 \pm 1.0mm
	T1 (@ 30% SOC)	6.25 \pm 0.3mm



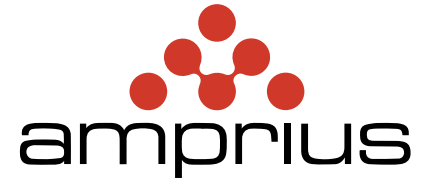
Technical Data Sheet | AMP-TDS-SA09-R5

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA09

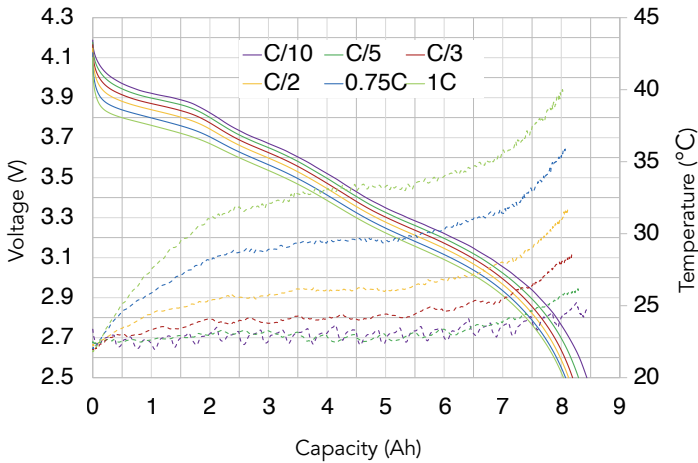
SiCore™ | Rechargeable Lithium-Ion Cell



8.18 Ah Energy Cell

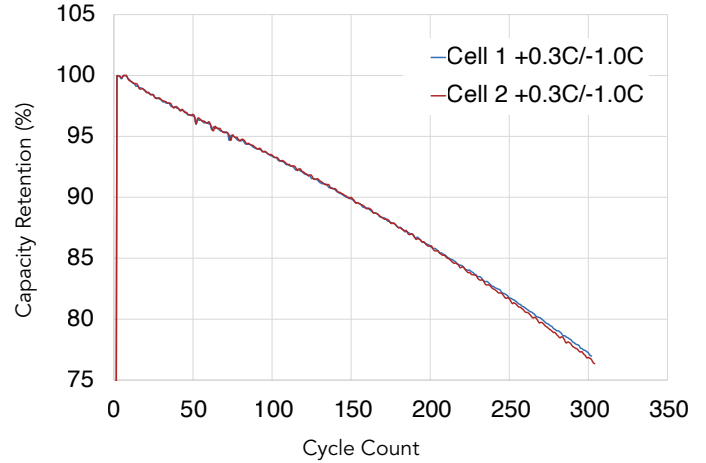
Discharge Rate Capability

0.1C, 0.2C, 0.33C, 0.5C, 0.75C, 1C at Room Temperature



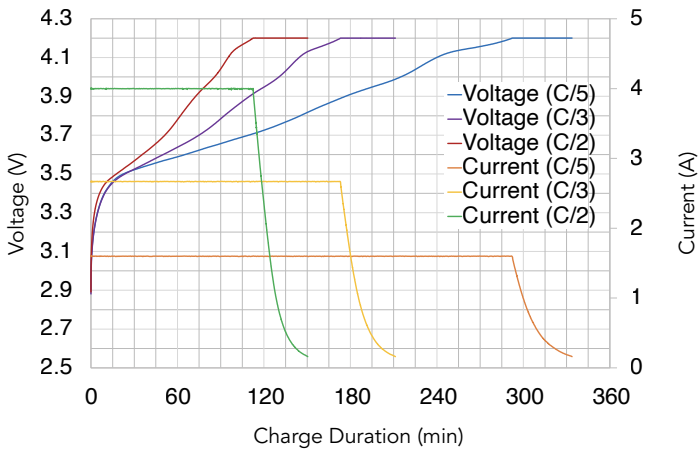
Cycle Life Performance

+0.3C/-1C, 100% DoD at Room Temperature



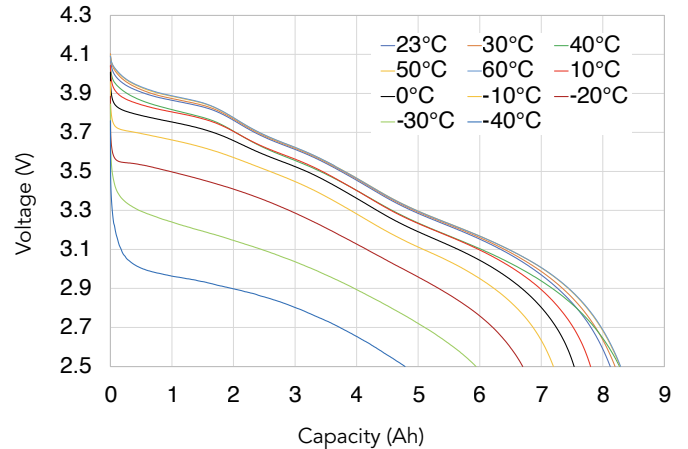
Charge Rate Profiles

0.2C, 0.33C, 0.5C at Room Temperature



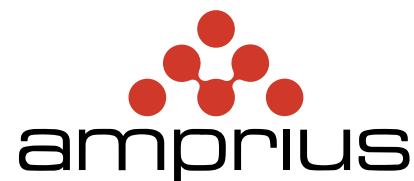
High/Low Temperature Discharge Performance

Discharge Capacity at 0.2C at Various Temperatures



SA11

SiCore™ | Rechargeable Lithium-Ion Cell



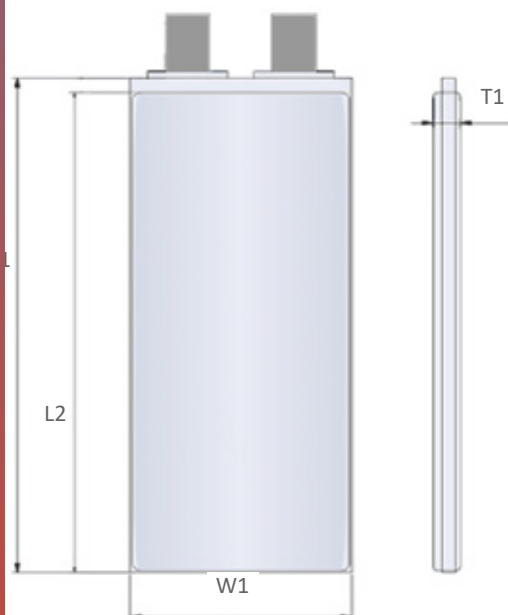
30.75 Ah Energy + Power Balanced Cell

Specifications

Capacity	Typical @ C/5	30750 mAh 107.6 Wh
	Minimum	30000 mAh 105.0 Wh
Cell Voltage	Nominal	3.50 V
	Charge	4.20 V
	Discharge	2.50 V
Discharge Current	Max Continuous	90 A (3C)
	Max Pulse (≤ 30 seconds)	150 A (5C)
Charge Current	Typical	6 A (C/5)
	Maximum (0% to 100% SOC)	30 A (1C)
Temperature Range Ambient	Discharge	-20 to 55°C
	Charge	0 to 55°C
	Storage	-20 to 30°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤ 8 m Ω
Cycle Life	+1C/-1C, 100% DOD to 80% SOH	700 cycles
	+1C/-1C, 90% DOD to 80% SOH	1000 cycles
Weight		305 \pm 9g
Packaging		Pouch
Cathode		NMC
Energy Density Including packaging	Gravimetric (@ 1C discharge)	340 Wh/kg
	Volumetric (@ 30% SOC)	770 Wh/L
Certifications		UN 38.3

Dimensions

Size	L1	198.0 \pm 1.5mm
	L2	190.0 \pm 1.5mm
	W1	96.5 \pm 1.5mm
	T1 (@ 30% SOC)	7.0 \pm 0.3mm



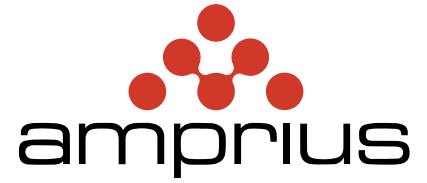
Technical Data Sheet | AMP-TDS-SA11-R5

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA11

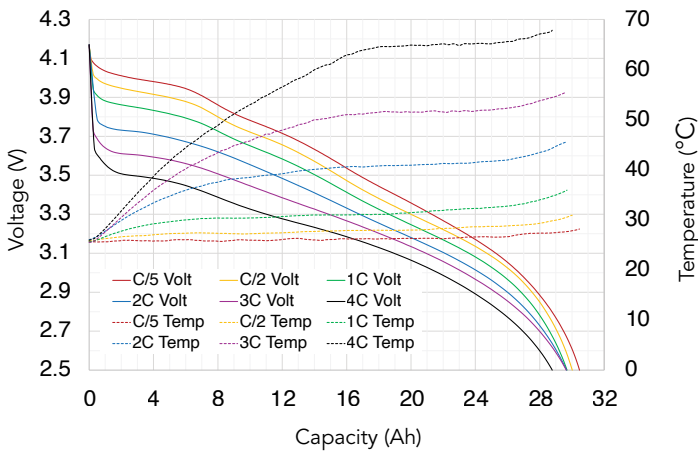
SiCore™ | Rechargeable Lithium-Ion Cell



30.75 Ah Energy + Power Balanced Cell

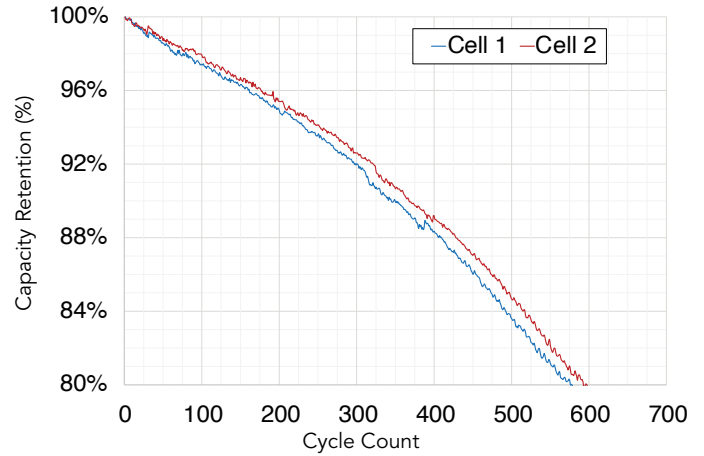
Discharge Rate Capability

0.2C, 0.5C, 1C, 2C, 3C, 4C at Room Temperature



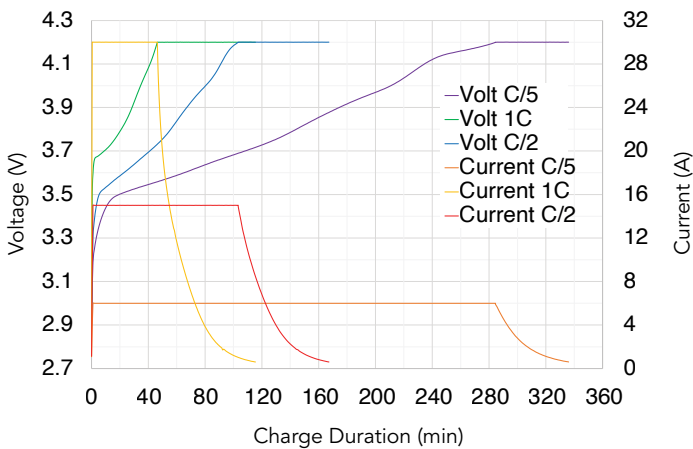
Cycle Life Performance

+1C/-1C, 100% DoD at Room Temperature



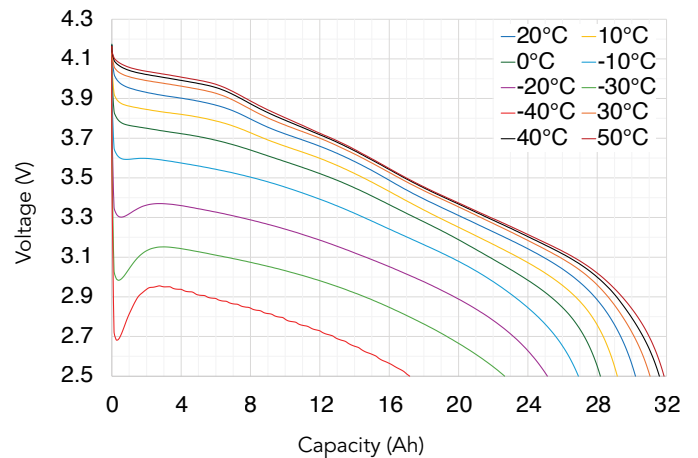
Charge Rate Profiles

0.2C, 0.5C, 1C at Room Temperature



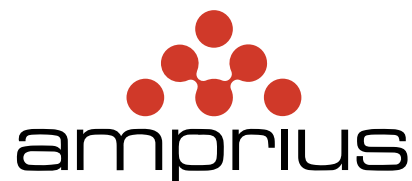
High/Low Temperature Discharge Performance

Discharge Capacity at 0.5C at Various Temperatures



SA19

SiCore™ | Rechargeable Lithium-Ion Cell



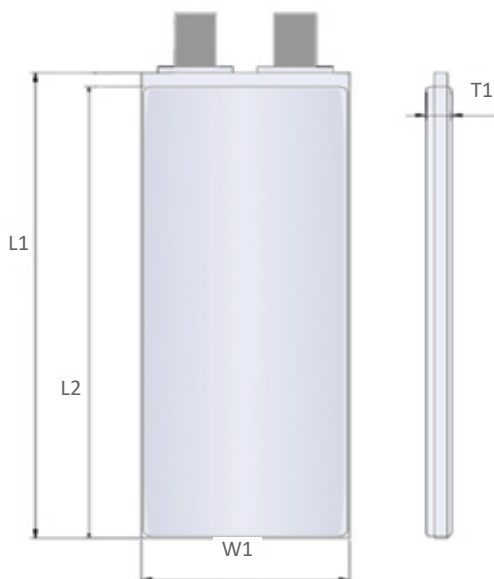
20.9Ah Power Cell

Specifications

Capacity	Typical @ C/5	20900 mAh
		71.06 Wh
	Minimum	20480 mAh
		69.63 Wh
Cell Voltage	Nominal	3.40 V
	Charge	4.20 V
	Discharge	2.50 V
Discharge Current	Max Continuous	82 A (4C)
	Max Pulse (≤ 30 seconds)	163.2 A (8C)
Charge Current	Typical	4.2 A (C/5)
	Maximum (0% to 100% SOC)	41.8 A (2C)
Temperature Range Ambient	Discharge	-20 to 60°C
	Charge	0 to 60°C
	Storage	-20 to 45°C
Internal Resistance	ACIR (1 kHz @ 50% SOC)	≤ 8 m Ω
Cycle Life	+1.0C/-4.0C, 100% DOD to 80% SOH	150 cycles
Weight		206 \pm 4.0g
Packaging		Pouch
Cathode		NMC
Energy Density Including packaging	Gravimetric	340 Wh/kg
	Volumetric (@ 30% SOC)	745 Wh/L
Certifications	UN 38.3	

Dimensions

Size	L1	173.0 \pm 1.5mm
	L2	166.0 \pm 1.0mm
	W1	74.0 \pm 1.0mm
	T1 (@ 30% SOC)	6.9 \pm 0.2mm



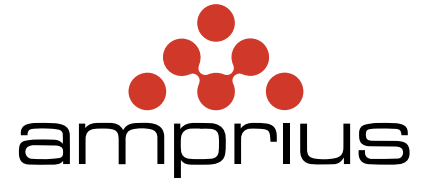
Technical Data Sheet | AMP-TDS-SA19-R2

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA19

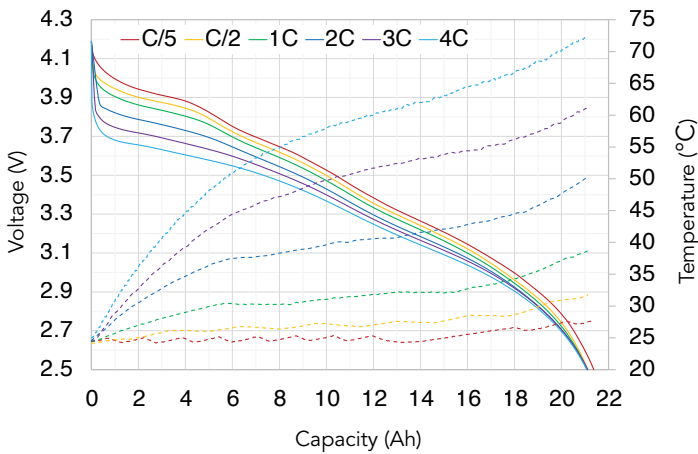
SiCore™ | Rechargeable Lithium-Ion Cell



20.9Ah Power Cell

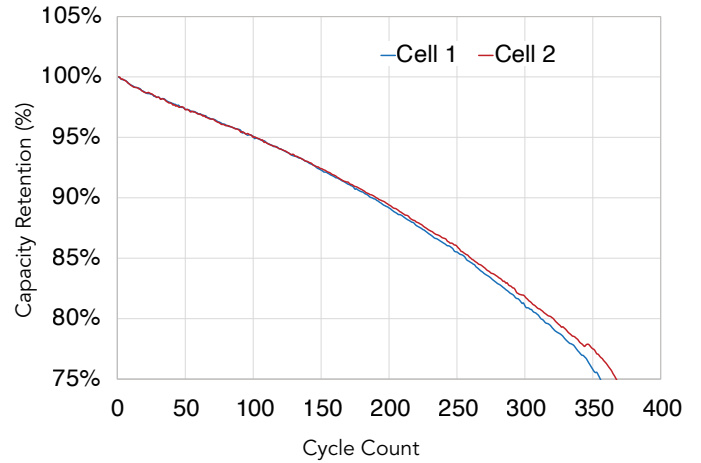
Discharge Rate Capability

0.2C, 0.5C, 1C, 2C, 3C, 4C at Room Temperature



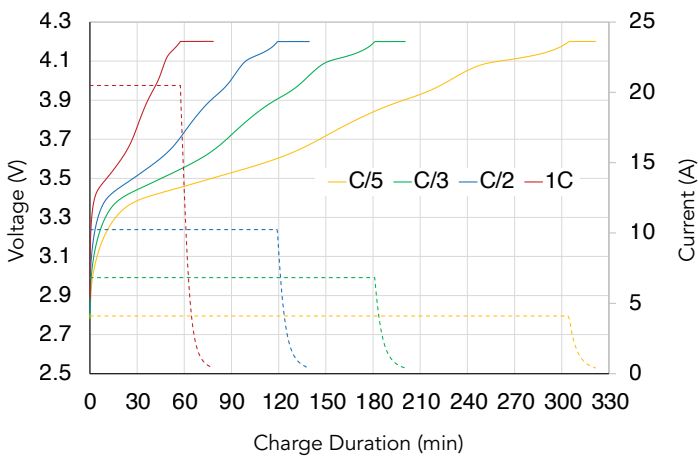
Cycle Life Performance

+1C/-1C, 100% DoD at Room Temperature



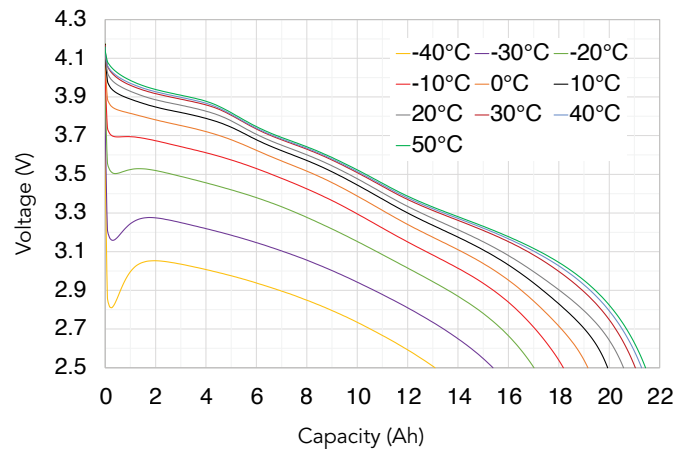
Charge Rate Profiles

0.2C, 0.33C, 0.5C, 1C at Room Temperature



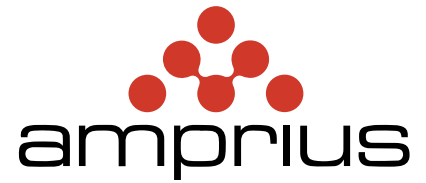
High/Low Temperature Discharge Performance

Discharge Capacity at 0.5C at Various Temperatures



SA23

SiCore™ | Rechargeable Lithium-Ion Cell



23.7 Ah Energy + Power Balanced Cell

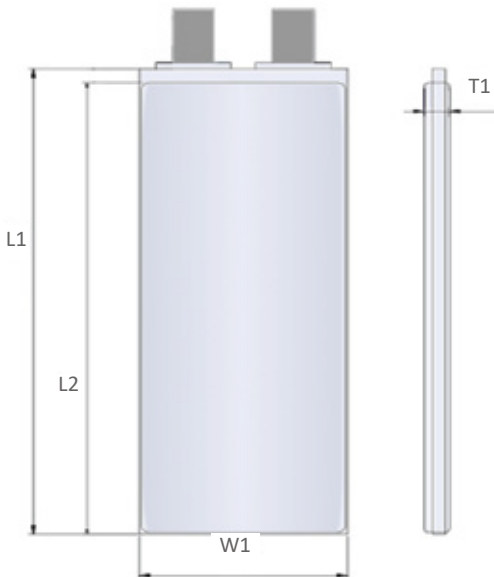


Specifications

Capacity	Typical @ C/5	23700 mAh
		82.95 Wh
	Minimum	23000 mAh
		80.5 Wh
Cell Voltage	Nominal	3.50 V
	Charge	4.20 V
	Discharge	2.50 V
Discharge Current	Max Continuous	69 A (3C)
	Max Pulse (≤ 30 seconds)	115 A (5C)
Charge Current	Typical	4.60 A (C/5)
	Maximum (0% to 100% SOC)	23 A (1C)
Temperature Range Ambient	Discharge	-20 to 55°C
	Charge	0 to 55°C
	Storage	-20 to 30°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤ 8 m Ω
Cycle Life	+0.5C/-1.0C, (4.2V to 2.75V) to 80% SOH	500 cycles
Weight		250.0 \pm 7g
Packaging		Pouch
Cathode		NMC
Energy Density Including packaging	Gravimetric	340 Wh/kg
	Volumetric (@ 30% SOC)	770 Wh/L
Certifications		UN38.3

Dimensions

Size	L1	198.0 \pm 1.5mm
	L2	190.0 \pm 1.5mm
	W1	98.0 \pm 1.5mm
	T1 (@ 30% SOC)	5.6 \pm 0.3mm



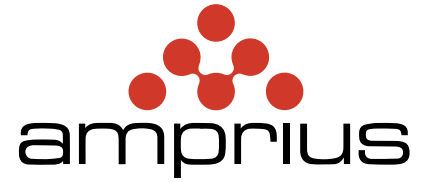
Technical Data Sheet | AMP-TDS-SA23-R3

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA23

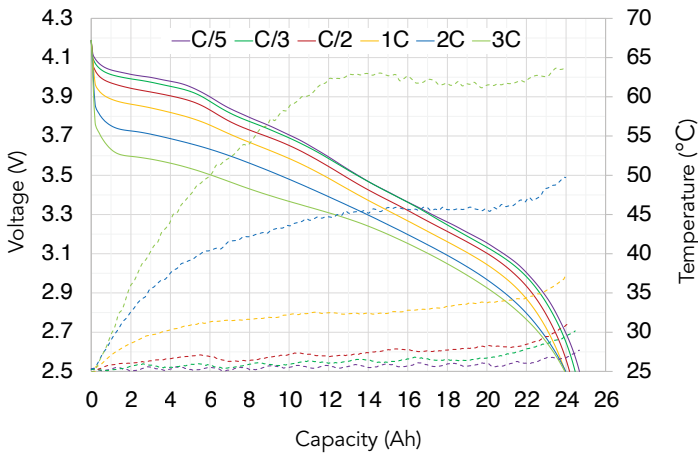
SiCore™ | Rechargeable Lithium-Ion Cell



23.7 Ah Energy + Power Balanced Cell

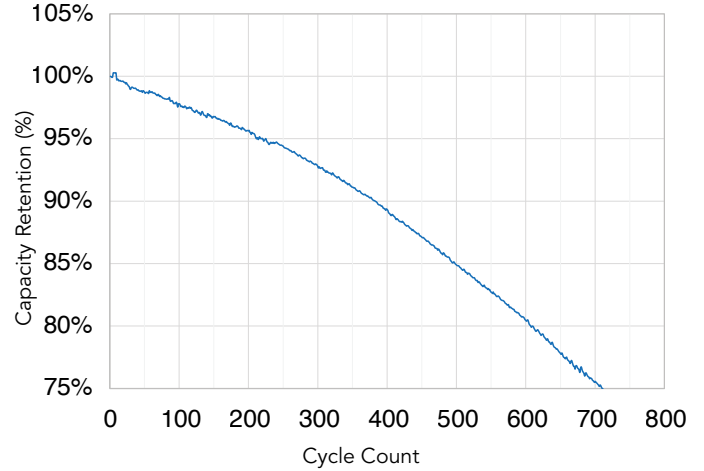
Discharge Rate Capability

0.2C, 0.33C, 0.5C, 1C, 2C, 3C at Room Temperature



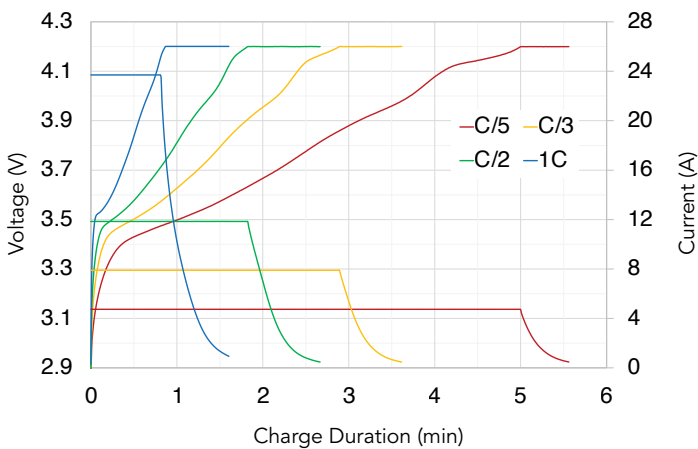
Cycle Life Performance

+1C/-1C, 100% DoD at Room Temperature



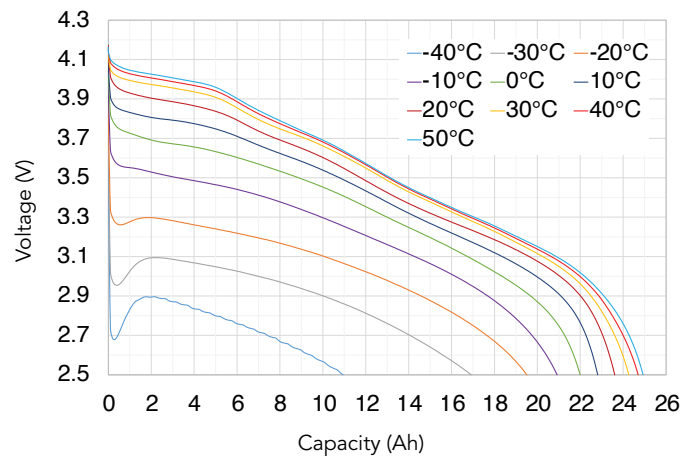
Charge Rate Profiles

0.2C, 0.33C, 0.5C, 1C at Room Temperature



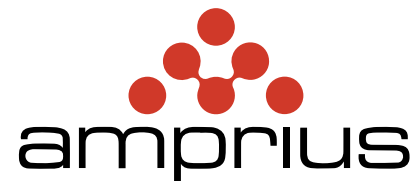
High/Low Temperature Discharge Performance

Discharge Capacity at 0.5C at Various Temperatures



SA24

SiCore™ | Rechargeable Lithium-Ion Cell



3.8Ah Energy + Mid Power 18650 Cell

Specifications

Capacity	Typical @ C/5	3800 mAh
		13.68 Wh
	Minimum	3650 mAh
		13.14 Wh
Cell Voltage	Nominal	3.60 V
	Charge	4.20 V
	Discharge	2.50 V
Discharge Current	Max Continuous	7.6 A (2C)
	Max Pulse (≤ 30 seconds)	15.2 A (4C)
Charge Current	Typical	1.90 A (C/2)
	Maximum (0% to 100% SOC)	3.80 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, (4.2V to 2.75V) to 70% SOH	600 cycles
Weight		49 \pm 1g
Packaging		Cylindrical
Cathode		NMC
Energy Density Including packaging	Gravimetric	280 Wh/kg
	Volumetric (@ 30% SOC)	790 Wh/L
Certifications	UN 38.3	



Dimensions

Size	L1	65.05 \pm 0.15mm
	W1	18.35 \pm 0.15mm

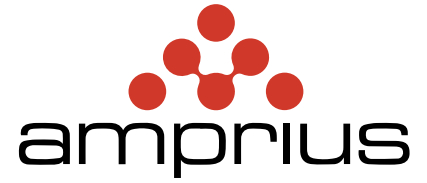
Technical Data Sheet | AMP-TDS-SA24-R3

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA24

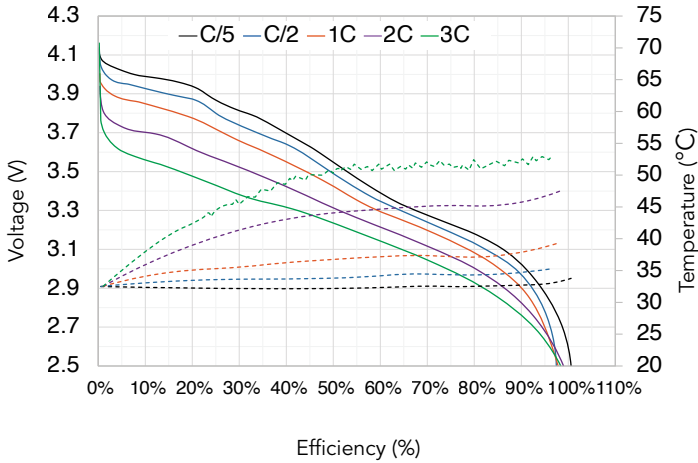
SiCore™ | Rechargeable Lithium-Ion Cell



3.8Ah Energy + Mid Power 18650 Cell

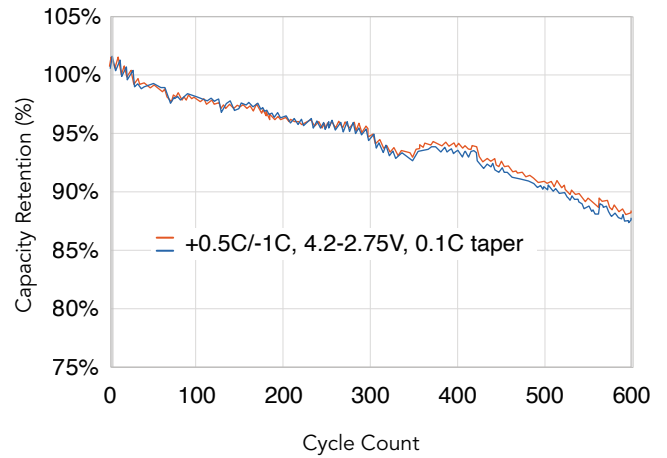
Discharge Rate Capability

0.2C, 0.5C, 1C, 2C, 3C at Room Temperature



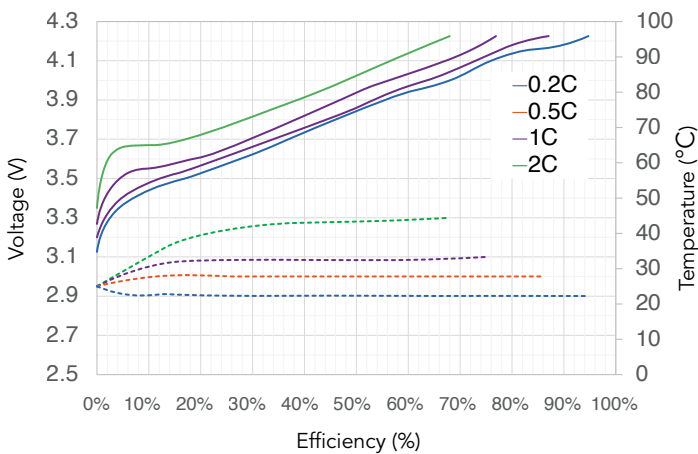
Cycle Life Performance

+0.5C/1C, 2.75V EoD at Room Temperature



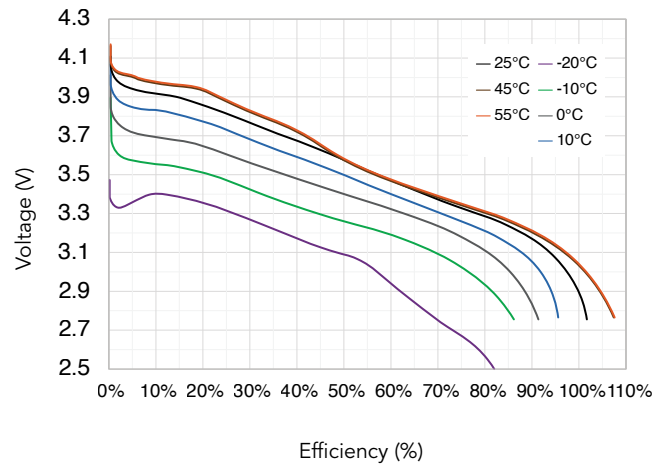
Charge Rate Profiles

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



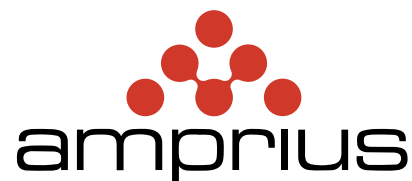
High/Low Temperature Discharge Performance

Discharge Capacity at 1C at Various Temperatures



SA30

SiCore™ | Rechargeable Lithium-Ion Cell



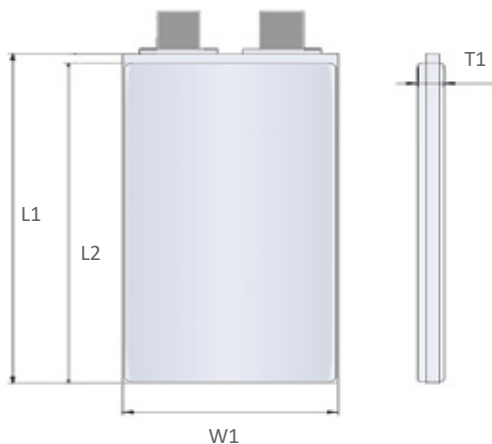
26Ah Power Cell

Specifications

Capacity	Typical @ C/5	26000 mAh
		88.4 Wh
	Minimum	25800 mAh
		87.72 Wh
Cell Voltage	Nominal	3.40 V
	Charge	4.20 V
	Discharge	2.50 V
Discharge Current	Max Continuous	103.2 A (4C)
	Max Pulse (≤ 30 seconds)	206.4 A (8C)
Charge Current	Typical	5.20 A (C/5)
	Maximum (0% to 100% SOC)	52 A (2C)
Temperature Range Ambient	Discharge	-20 to 60°C
	Charge	0 to 60°C
	Storage	-20 to 45°C
Internal Resistance	ACIR (1 kHz @ 50% SOC)	≤ 8 m Ω
Cycle Life	+1C/-4C, 100% DOD to 80% SOH	200 cycles
	+1C/-4C, 70% DOD to 80% SOH	500 cycles
Weight		266.0 \pm 4g
Packaging		Pouch
Cathode		NMC
Energy Density Including packaging	Gravimetric (@ 1C discharge)	340 Wh/kg
	Volumetric (@ 30% SOC)	745 Wh/L
Certifications	UN 38.3	

Dimensions

Size	L1	144.5 \pm 1.0mm
	L2	133.0 \pm 0.8mm
	W1	106.0 \pm 1.0mm
	T1 (@ 30% SOC)	7.76 \pm 0.3mm



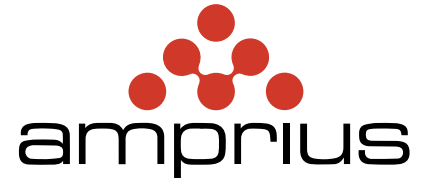
Technical Data Sheet | AMP-TDS-SA30-R2

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA30

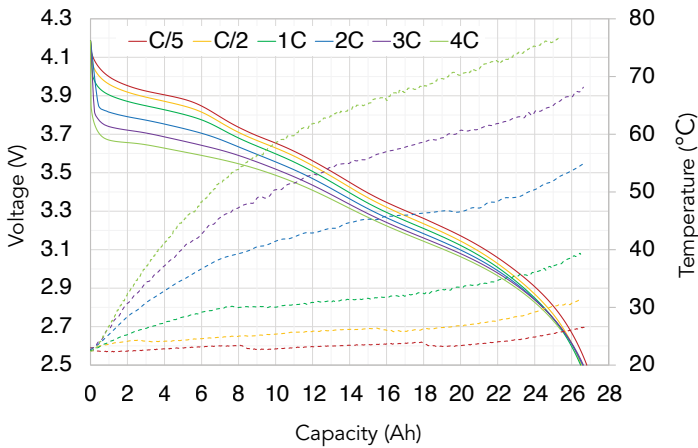
SiCore™ | Rechargeable Lithium-Ion Cell



26Ah Power Cell

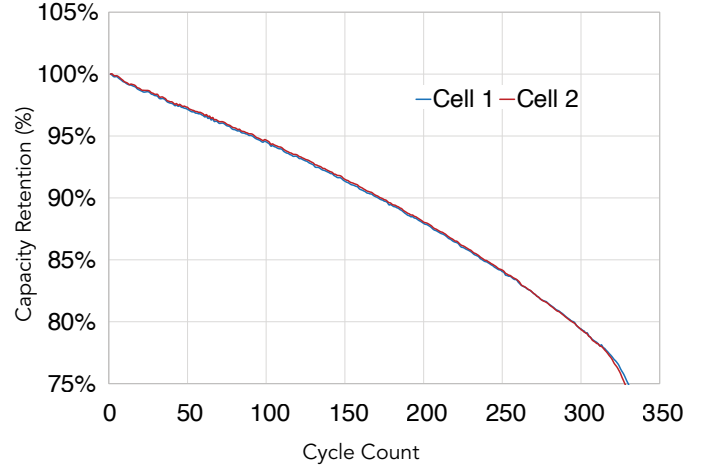
Discharge Rate Capability

0.2C, 0.5C, 1C, 2C, 3C, 4C at Room Temperature



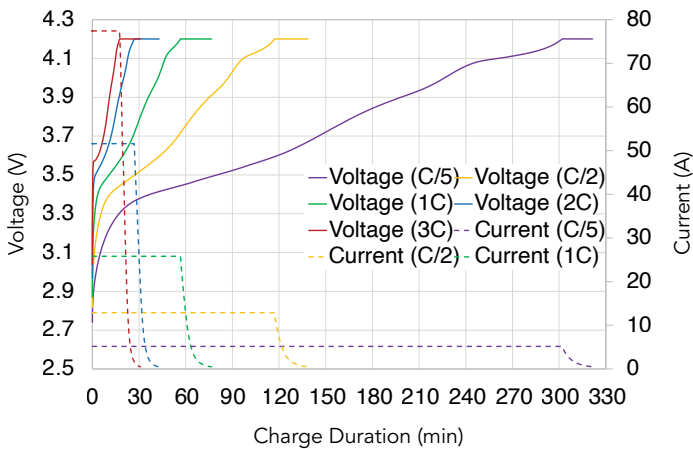
Cycle Life Performance

+1C/-1C, 100% DoD at Room Temperature



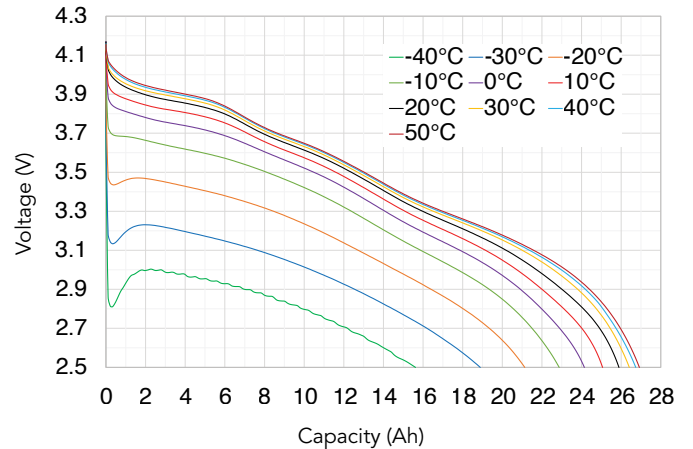
Charge Rate Profiles

0.2C, 0.5C, 1C, 2C, 3C at Room Temperature



High/Low Temperature Discharge Performance

Discharge Capacity at 0.5C at Various Temperatures



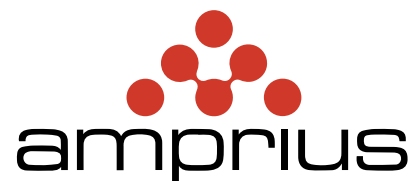
Technical Data Sheet | AMP-TDS-SA30-R2

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA34

SiCore™ | Rechargeable Lithium-Ion Cell



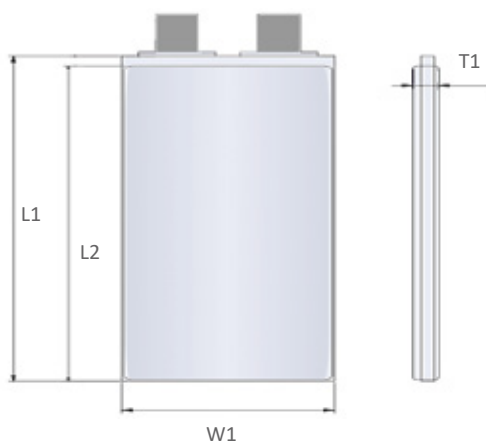
18 Ah Energy Cell

Specifications

Capacity	Typical @ C/5	18000 mAh
		61.2 Wh
	Minimum	17600 mAh
		59.84 Wh
Cell Voltage	Nominal	3.40 V
	Charge	4.20 V
	Discharge	2.50 V
Discharge Current	Max Continuous	18 A (1C)
	Max Pulse (≤ 30 seconds)	54 A (3C)
Charge Current	Typical	3.60 A (C/5)
	Maximum (0% to 100% SOC)	6 A (C/3)
Temperature Range Ambient	Discharge	-20 to 60°C
	Charge	10 to 55°C
	Storage	-20 to 45°C
Internal Resistance	ACIR (1 kHz @ 50% SOC)	≤ 20 m Ω
Cycle Life	+0.33C/-0.5C, 100% DOD to 80% SOH	200 cycles
Weight		163.2 \pm 2.5g
Packaging		Pouch
Cathode		NMC
Special Note	External clamping of 15 PSI recommended	
Energy Density Including packaging	Gravimetric	380 Wh/kg
	Volumetric (@ 30% SOC)	870 Wh/L
Certifications	UN 38.3	

Dimensions

Size	L1	130.0 \pm 1.0mm
	L2	125.5 \pm 1.0mm
	W1	74.0 \pm 1.0mm
	T1 (@ 30% SOC)	7.3 \pm 0.3mm



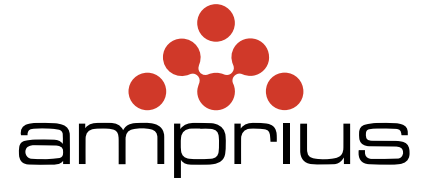
Technical Data Sheet | AMP-TDS-SA34-R3

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA34

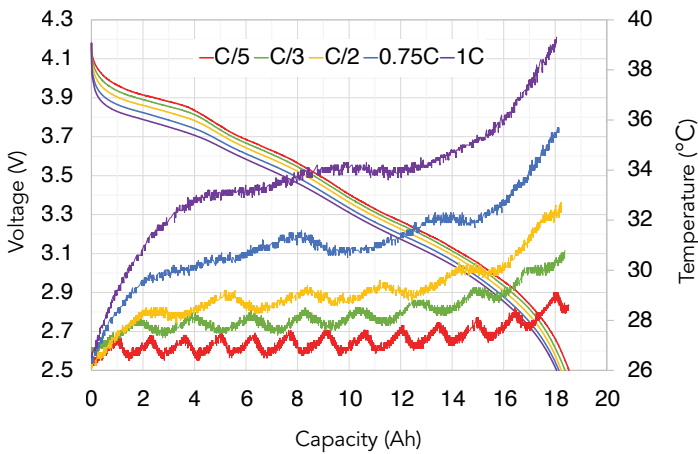
SiCore™ | Rechargeable Lithium-Ion Cell



18 Ah Energy Cell

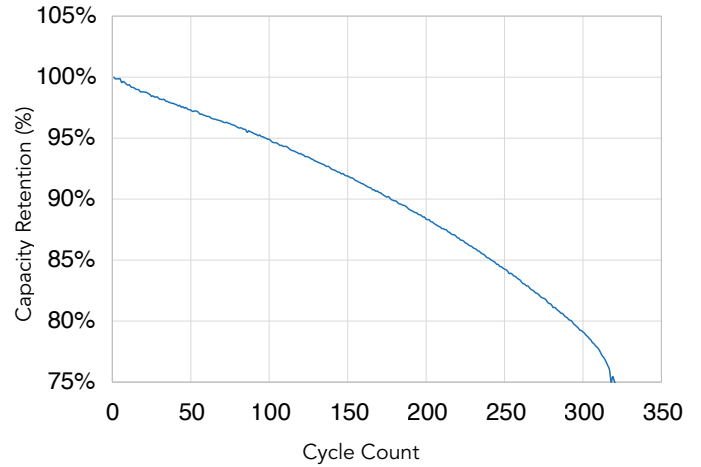
Discharge Rate Capability

0.2C, 0.33C, 0.5C, 0.75C, 1C at Room Temperature



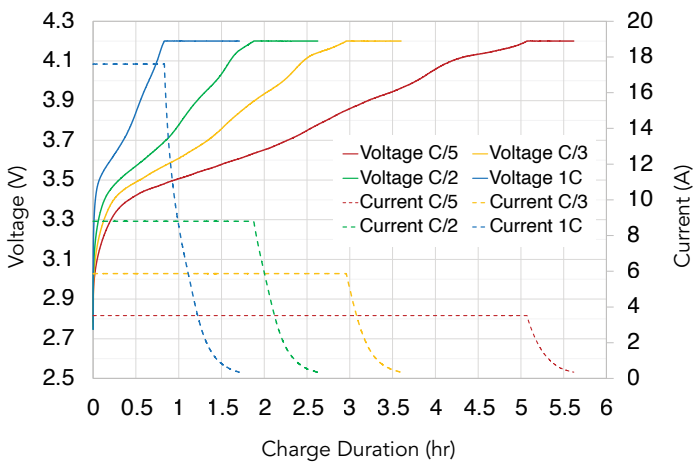
Cycle Life Performance

+1C/-1C, 100% DoD at Room Temperature



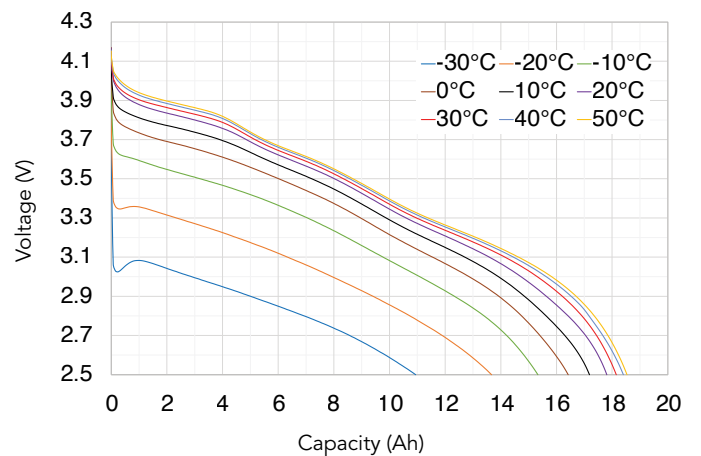
Charge Rate Profiles

0.2C, 0.5C, 1C, 2C, 3C at Room Temperature



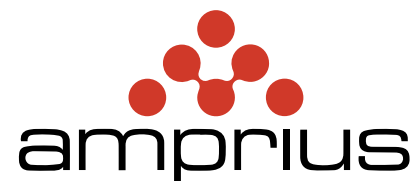
High/Low Temperature Discharge Performance

Discharge Capacity at 0.5C at Various Temperatures



SA88

SiCore™ | Rechargeable Lithium-Ion Cell



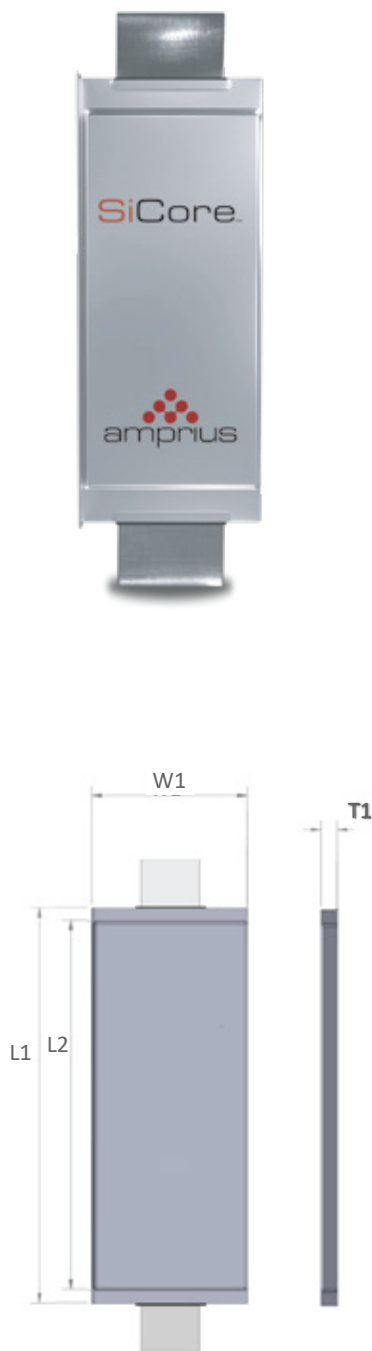
10Ah Ultra-High Power Cell

Specifications

Capacity	Typical @ C/5	10200 mAh
		35.19 Wh
	Minimum	10000 mAh
		34.5 Wh
Cell Voltage	Nominal	3.45 V
	Charge	4.20 V
	Discharge	2.50 V
Discharge Current	Max Continuous	102 A (10C)
	Max Pulse (≤ 30 seconds)	153 A (15C)
Charge Current	Typical	10.2 A (1C)
	Maximum (0% to 100% SOC)	102 A (10C)
Temperature Range Ambient	Discharge	-20 to 60°C
	Charge	0 to 45°C
	Storage	-20 to 45°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤ 2 m Ω
Cycle Life	+1C/-3C, 100% DOD to 80% SOH	200 cycles
Weight		96.5 \pm 2g
Packaging		Pouch
Cathode		NMCA
Energy Density Including packaging	Gravimetric (@ 0.2C Discharge)	365 Wh/kg
	Volumetric (@ 30% SOC)	790 Wh/L
Special Note	Cell requires external clamping of 30 PSI	
Certifications	UN38.3, IEC62133, CE, BIS	

Dimensions

Size	L1	145 \pm 1mm
	L2	125 \pm 1mm
	W1	60.3 \pm 1mm
	T1 (@ 30% SOC)	5.2 \pm 0.25mm



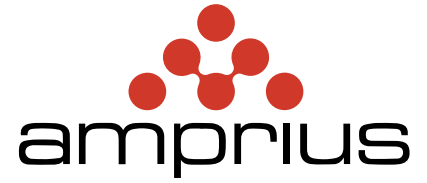
Technical Data Sheet | AMP-TDS-SA88-R3

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA88

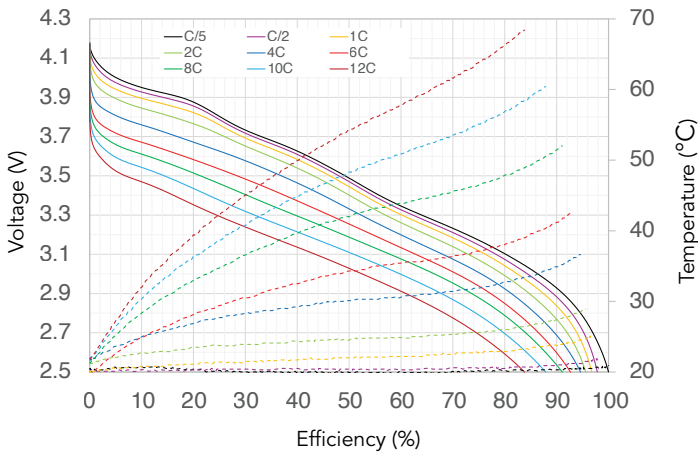
SiCore™ | Rechargeable Lithium-Ion Cell



10.5Ah Ultra-High Power Cell

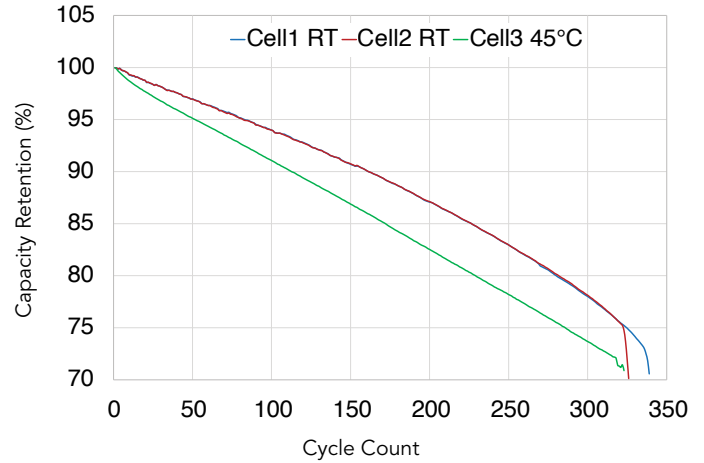
Discharge Rate Capability

0.2C, 0.5C, 1C, 2C, 4C, 6C, 8C, 10C, 12C at Room Temperature



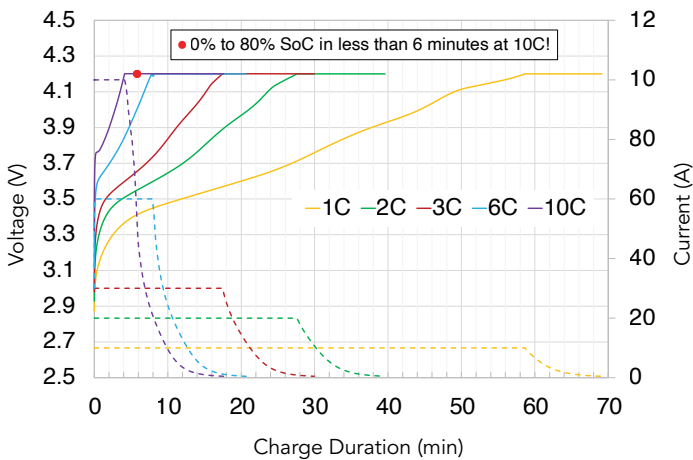
Cycle Life Performance

+1C/-3C, 100% DoD at 45°C and Room Temperature with Compression



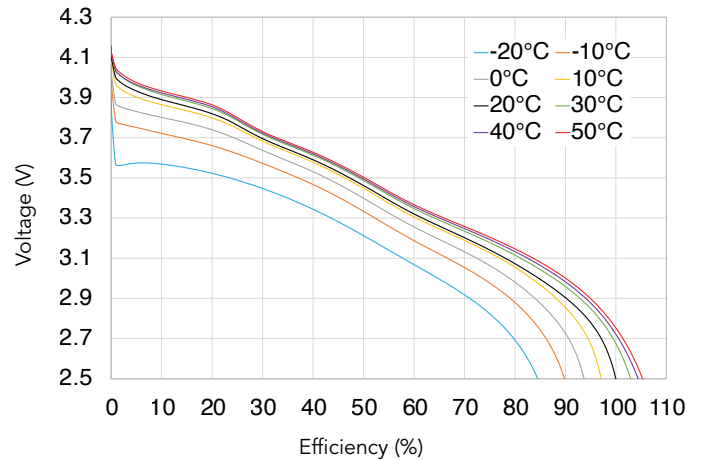
Charge Rate Profiles

0.5C, 1C at Room Temperature



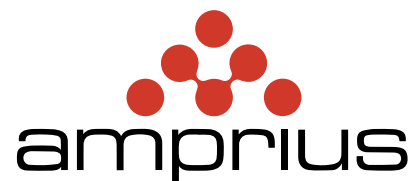
High/Low Temperature Discharge Performance

Discharge Capacity at 1C at Various Temperatures



SA90

SiCore™ | Rechargeable Lithium-Ion Cell

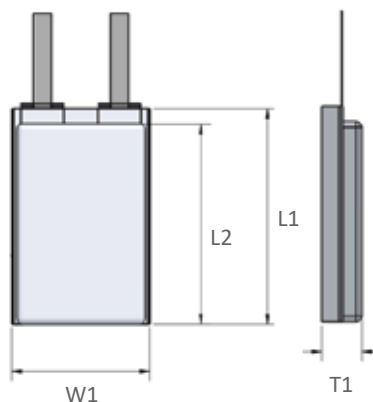


1.33Ah Balanced Power + Energy Cell

Specifications



Capacity	Typical @ C/5	1330 mAh
		4.56 Wh
	Minimum	1250 mAh
		4.25 Wh
Cell Voltage	Nominal	3.40 V
	Charge	4.25 V
	Discharge	2.5 V
Discharge Current	Max Continuous	4 A (3C)
	Max Pulse (≤ 30 seconds)	6 A (4.5C)
Charge Current	Typical	0.25 A (C/5)
	Maximum (0% to 100% SOC)	1.25 A (1C)
Temperature Range Ambient	Discharge	-10 to 50°C
	Charge	0 to 50°C
	Storage	-20 to 30°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤ 40 m Ω
Cycle Life	+1C/-2C, 100% DOD to 80% SOH	150 cycles
Weight		11.9 \pm 0.3g
Packaging		Pouch
Cathode		NMCA
Energy Density Including packaging	Gravimetric (@ 2C Discharge)	325 Wh/kg
	Volumetric (@ 30% SOC)	730 Wh/L
Special Note	Cell requires external clamping of 30 PSI	
Certifications	UN38.3	



Dimensions

Size	L1	37 \pm 0.95mm
	L2	33.5 \pm 0.55mm
	W1	22.4 \pm 0.55mm
	T1 (@ 30% SOC)	7.1 \pm 0.2mm

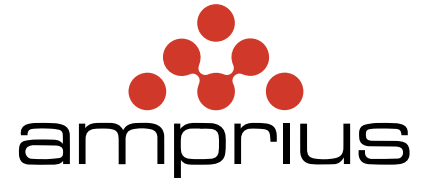
Technical Data Sheet | AMP-TDS-SA90-R1

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA90

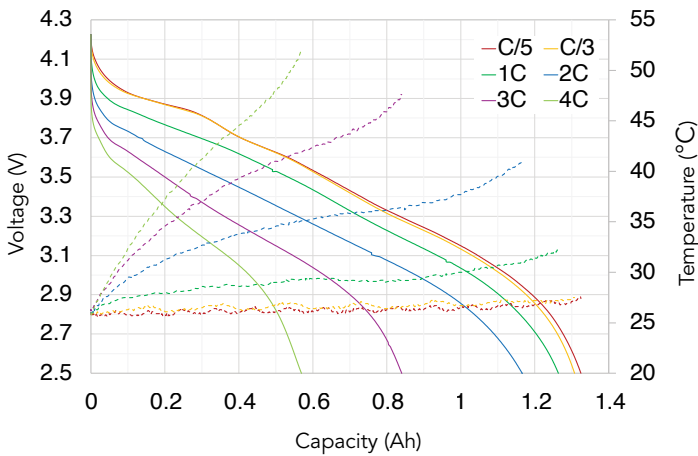
SiCore™ | Rechargeable Lithium-Ion Cell



1.33Ah Balanced Power + Energy Cell

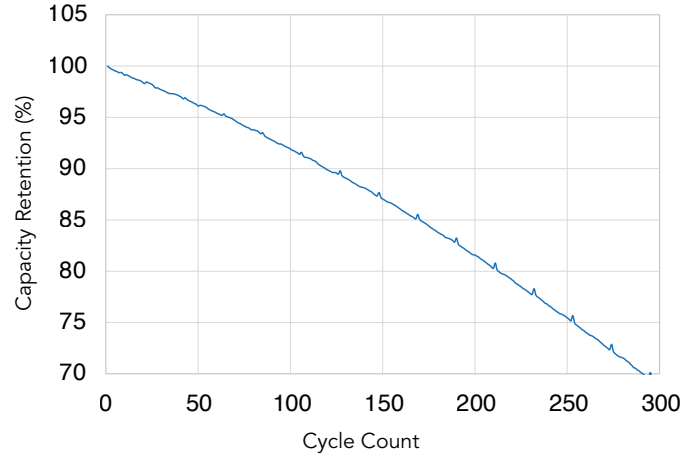
Discharge Rate Capability

0.2C, 0.33C, 1C, 2C, 3C, 4C at Room Temperature



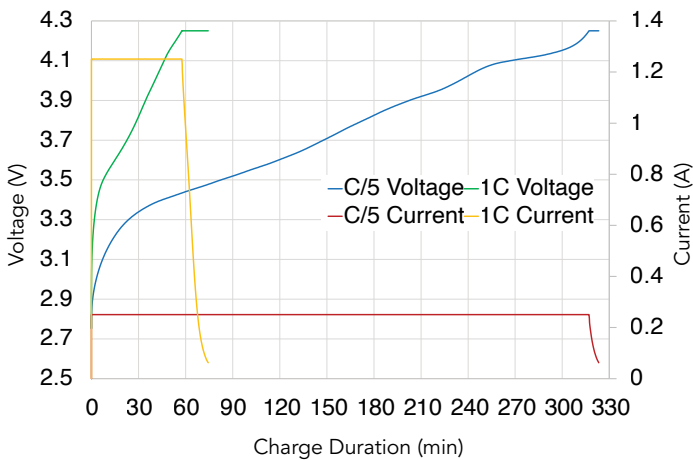
Cycle Life Performance

1C/-2C, 100% DoD at Room Temperature with Compression



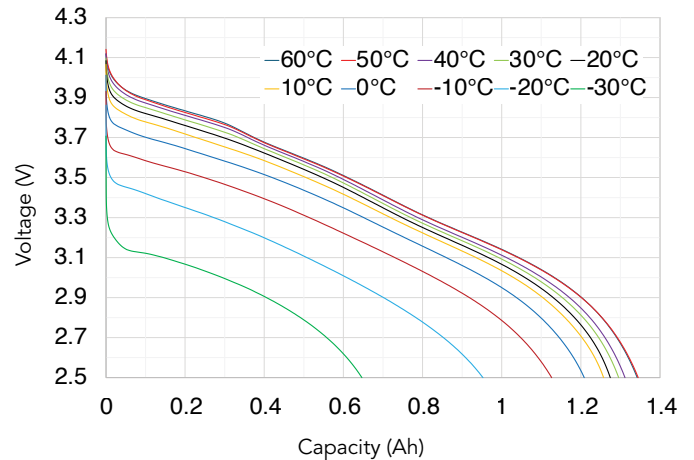
Charge Rate Profiles

0.2C, 1C at Room Temperature



High/Low Temperature Discharge Performance

Discharge Capacity at 1C at Various Temperatures



SA102

SiCore™ | Rechargeable Lithium-Ion Cell



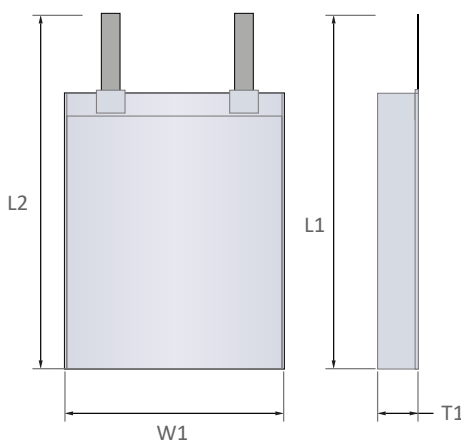
4.24Ah Ultra High Energy Cell

Specifications

Capacity	Typical @ C/10	4370 mAh
		14.85 Wh
	Minimum	4300 mAh
		14.62 Wh
Cell Voltage	Nominal	3.40 V
	Charge	4.25 V
	Discharge	2.20 V
Discharge Current	Max Continuous	4.3 A (1C)
	Max Pulse (≤ 30 seconds)	8.6 A (2C)
Charge Current	Typical	0.43 A (C/10)
	Maximum (0% to 100% SOC)	2.19 A (C/2)
Temperature Range Ambient	Discharge	-10 to 50°C
	Charge	0 to 50°C
	Storage	-20 to 45°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤ 30 m Ω
Cycle Life	+0.2C/-0.2C, 100% DOD to 80% SOH	150 cycles
Weight		33.1 \pm 0.8g
Packaging		Pouch
Cathode		NMCA
Energy Density Including packaging	Gravimetric	450 Wh/kg
	Volumetric (@ 30% SOC)	950 Wh/L
Special Note	Cell requires external clamping of 30 PSI	
Certifications	UN38.3	

Dimensions

Size	L1	56.5 \pm 1.5mm
	L2	53.0 \pm 1.5mm
	W1	49.5 \pm 1.5mm
	T1 (@ 30% SOC)	5.5 \pm 0.4mm



Technical Data Sheet | AMP-TDS-SA102-P5

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA102

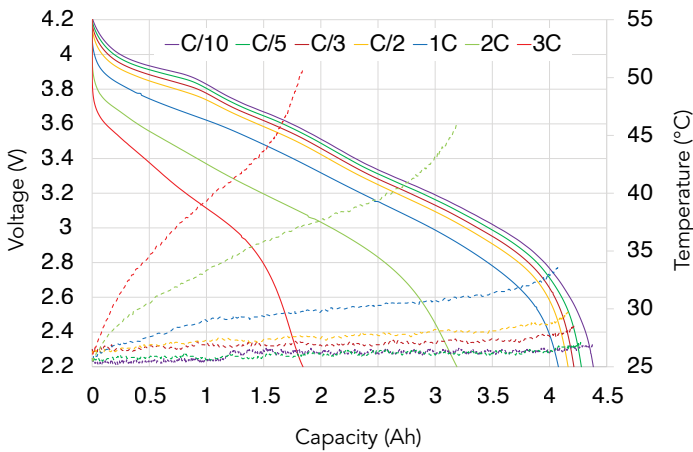
SiCore™ | Rechargeable Lithium-Ion Cell



4.24Ah Ultra High Energy Cell

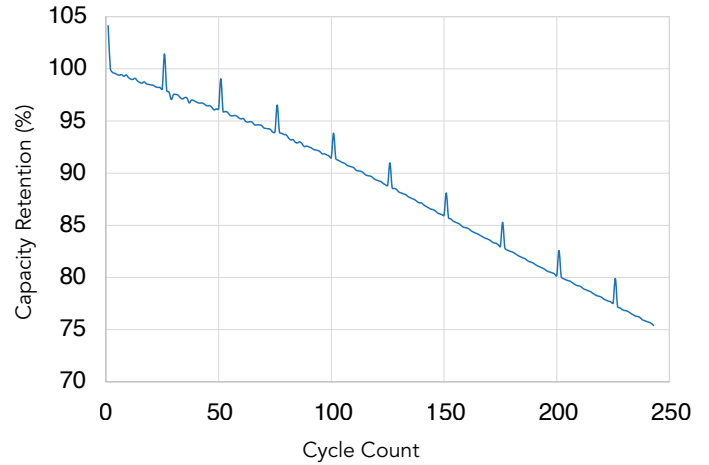
Discharge Rate Capability

0.1C, 0.2C, 0.33C, 1C at Room Temperature



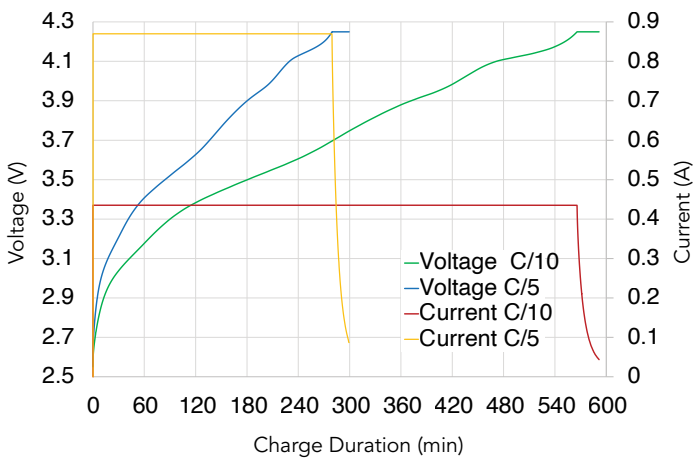
Cycle Life Performance

+0.33C/ -0.33C, 100% DoD at Room Temp with Compression



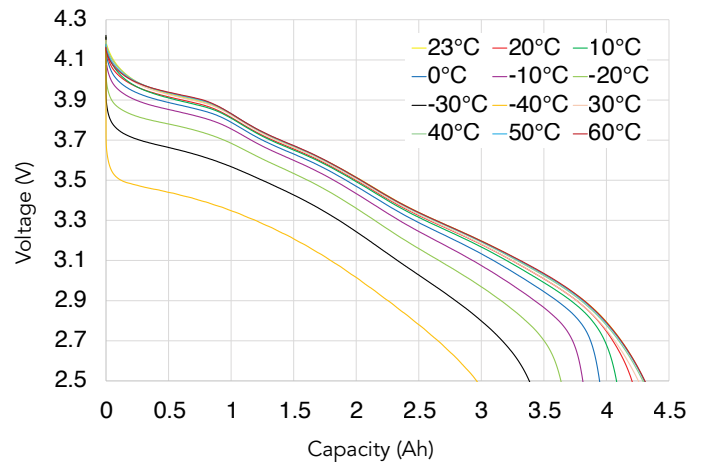
Charge Rate Profiles

0.1C, 0.2C at Room Temperature



High/Low Temperature Discharge Performance

Discharge Capacity at 0.2C at Various Temperatures



SA107

SiCore™ | Rechargeable Lithium-Ion Cell



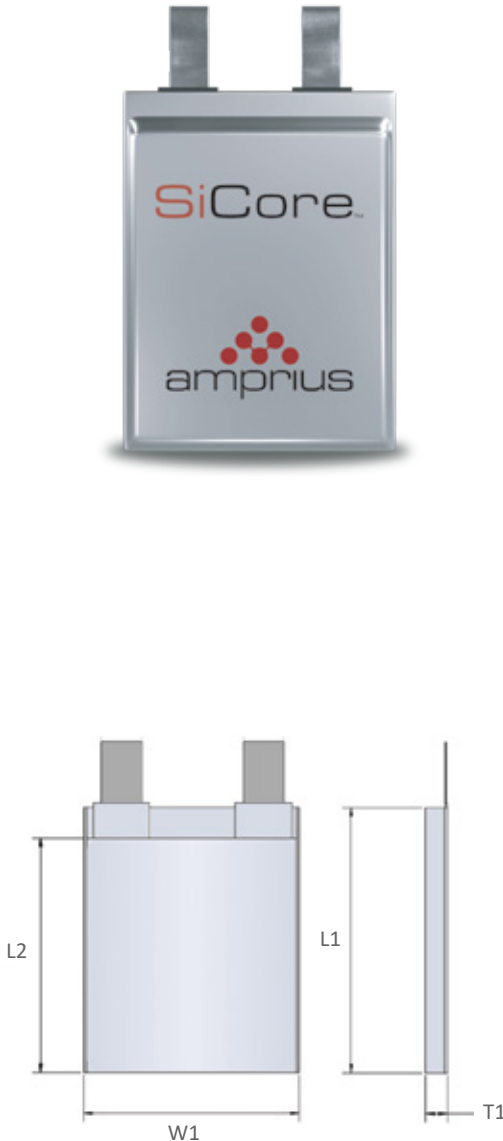
5.8Ah Ultra High Energy Cell

Specifications

Capacity	Typical @ C/10	5800 mAh
		20 Wh
	Minimum	5660 mAh
		19.5 Wh
Cell Voltage	Nominal	3.40 V
	Charge	4.25 V
	Discharge	2.20 V
Discharge Current	Max Continuous	5.80 A (1C)
	Max Pulse (≤ 30 seconds)	11.60 A (2C)
Charge Current	Typical	1.16 A (C/5)
	Maximum (0% to 100% SOC)	2.9 A (C/2)
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)	≤ 22 m Ω
Cycle Life	+0.2C/-0.2C, 100% DOD to 80% SOH	125 cycles
Weight		44.5 \pm 1.0g
Packaging		Pouch
Cathode		NMCA
Energy Density Including packaging	Gravimetric (@ 0.1C Discharge)	450 Wh/kg
	Volumetric (@ 30% SOC)	1000 Wh/L
Special Note	Cell requires external clamping of 30 PSI	
Certifications	UN38.3*	

Dimensions

Size	L1	65.5 \pm 1.5mm
	L2	62.3 \pm 1.5mm
	W1	53.5 \pm 1.5mm
	T1 (@ 30% SOC)	5.7 \pm 0.4mm



*Q2 2026

Technical Data Sheet | AMP-TDS-SA107-P1

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA107

SiCore™ | Rechargeable Lithium-Ion Cell



5.8Ah Ultra High Energy Cell

Discharge Rate Capability

0.1C, 0.2C, 0.33C, 1C at Room Temperature

Testing in progress

Cycle Life Performance

+0.33C/ -0.33C, 100% DoD at Room Temp with Compression

Testing in progress

Charge Rate Profiles

0.1C, 0.2C at Room Temperature

Testing in progress

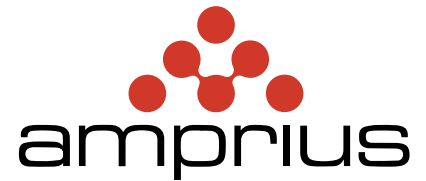
High/Low Temperature Discharge Performance

Discharge Capacity at 0.2C at Various Temperatures

Testing in progress

SA108

SiCore™ | Rechargeable Lithium-Ion Cell



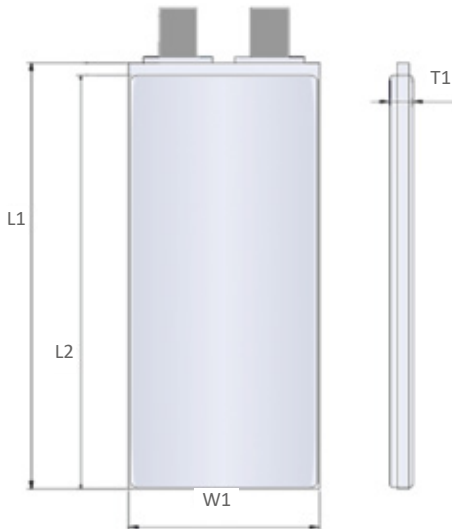
10.1Ah Power Cell

Specifications

Capacity	Typical @ C/5	10100 mAh 34.34 Wh
	Minimum	9900 mAh 33.66 Wh
Cell Voltage	Nominal	3.50 V
	Charge	4.20 V
	Discharge	2.50 V
Discharge Current	Max Continuous	49.5 A (5C)
	Max Pulse (≤ 30 seconds)	79.2 A (8C)
Charge Current	Typical	1.98 A (C/5)
	Maximum (0% to 100% SOC)	29.7 A (3C)
Temperature Range Ambient	Discharge	-20 to 60°C
	Charge	0 to 45°C
	Storage	-20 to 60°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤ 6 m Ω
Cycle Life	+1C/-4C, 100% DOD to 80% SOH	200 cycles
Weight		99.4 \pm 2.0g
Packaging		Pouch
Cathode		NMCA
Energy Density Including packaging	Gravimetric (@ 0.1C Discharge)	345 Wh/kg
	Volumetric (@ 30% SOC)	750 Wh/L
Special Note	Cell requires external clamping of 30 PSI	
Certifications	UN38.3, IEC 62133, CE	

Dimensions

Size	L1	116.5 \pm 1.5mm
	L2	111.5 \pm 1.0mm
	W1	49.0 \pm 1.0mm
	T1 (@ 30% SOC)	7.35 \pm 0.25mm



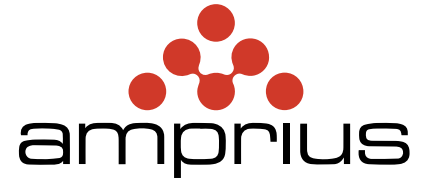
Technical Data Sheet | AMP-TDS-SA108-R1

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA108

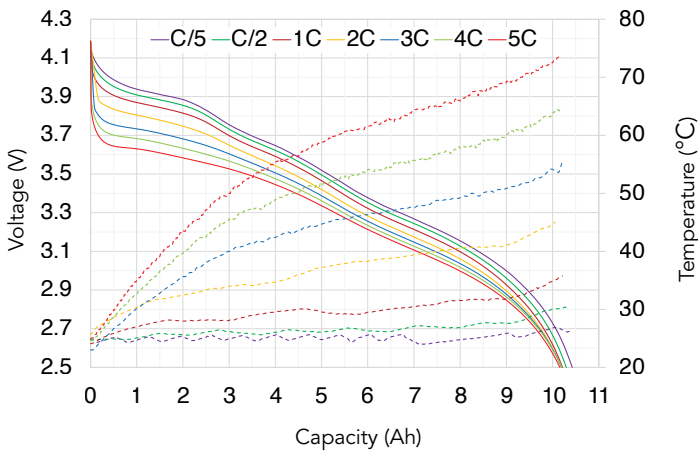
SiCore™ | Rechargeable Lithium-Ion Cell



10.1Ah Power Cell

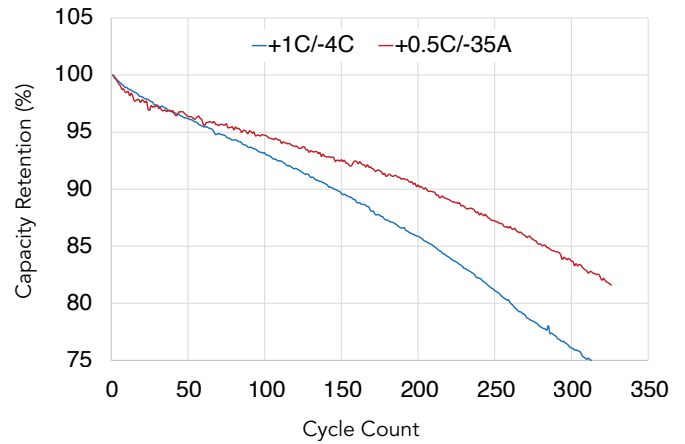
Discharge Rate Capability

0.2C, 0.5C, 1C, 2C, 3C, 4C, 5C at Room Temperature



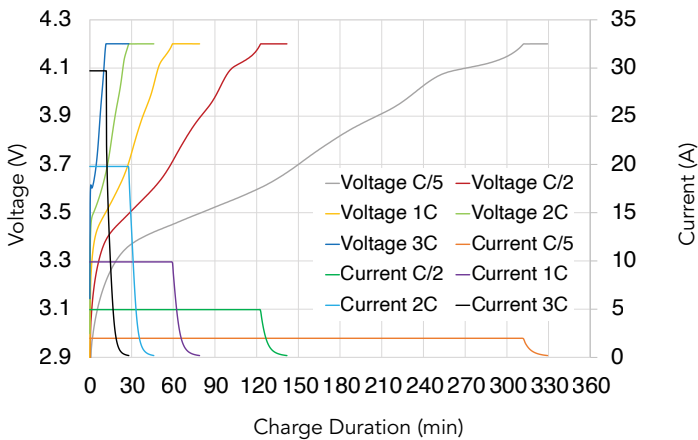
Cycle Life Performance

+1C/-4C and +0.5C/-35A, 100% DoD at Room Temperature



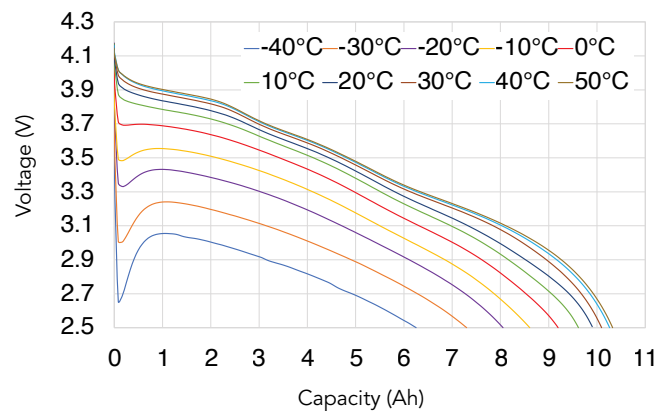
Charge Rate Profiles

0.2C, 0.5C, 1C, 2C, 3C at Room Temperature



High/Low Temperature Discharge Performance

Discharge Capacity at 1.0C at Various Temperatures



SA109

SiCore™ | Rechargeable Lithium-Ion Cell



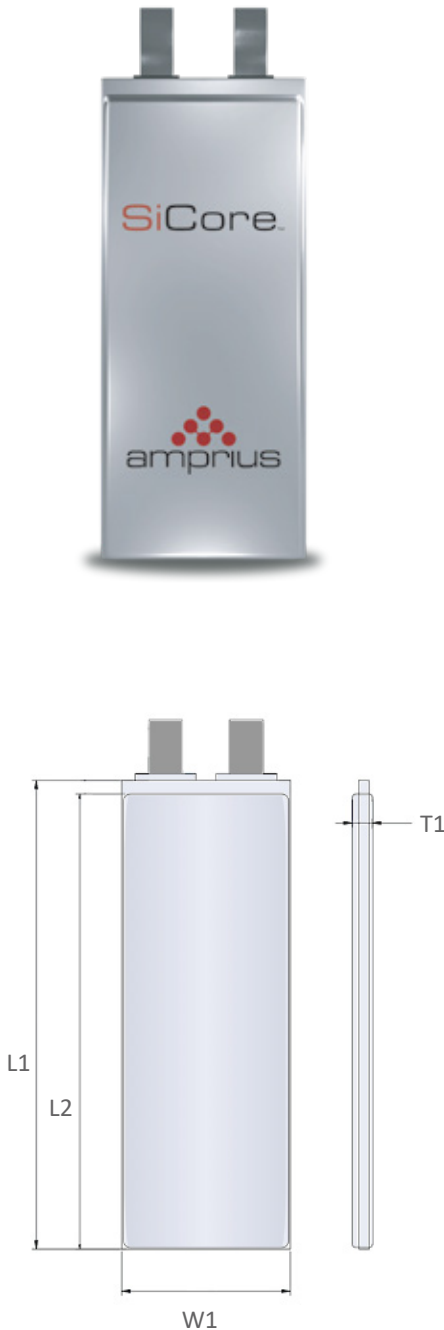
11.5Ah Ultra High Energy Cell

Specifications

Capacity	Typical @ C/10	11500 mAh
		39.2 Wh
	Minimum	11000 mAh
		37.5 Wh
Cell Voltage	Nominal	3.40 V
	Charge	4.25 V
	Discharge	2.20 V
Discharge Current	Max Continuous	11.50 A (1C)
	Max Pulse (≤ 30 seconds)	23.0 A (2C)
Charge Current	Typical	2.30 A (C/5)
	Maximum (0% to 100% SOC)	5.75 A (C/2)
Temperature Range Ambient	Discharge	-20 to 50°C
	Charge	10 to 45°C
	Storage	-20 to 30°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤ 15 m Ω
Cycle Life	+0.2C/-0.2C, 100% DOD to 80% SOH	150 cycles
Weight		88.0 \pm 2.0g
Packaging		Pouch
Cathode		NMCA
Energy Density Including packaging	Gravimetric (@ 0.1C Discharge)	450 Wh/kg
	Volumetric (@ 30% SOC)	1000 Wh/L
Special Note	Cell requires external clamping of 30 PSI	
Certifications	UN38.3	

Dimensions

Size	L1	127.0 \pm 1.5mm
	L2	123.5 \pm 1.5mm
	W1	53.5 \pm 1.5mm
	T1 (@ 30% SOC)	5.5 \pm 0.4mm



Technical Data Sheet | AMP-TDS-SA109-P2

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA109

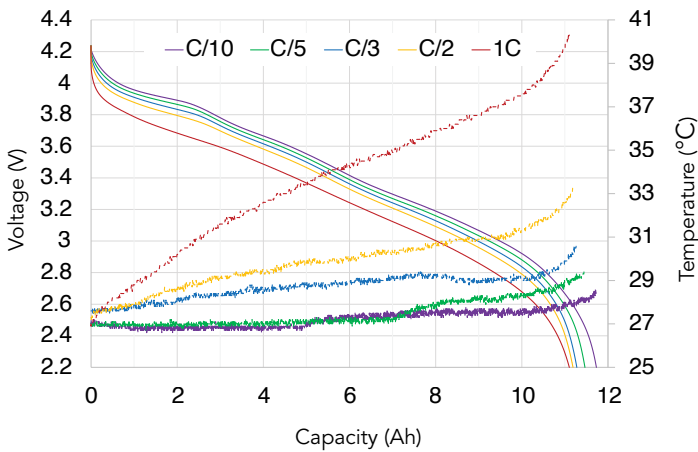
SiCore™ | Rechargeable Lithium-Ion Cell



11.5Ah Ultra High Energy Cell

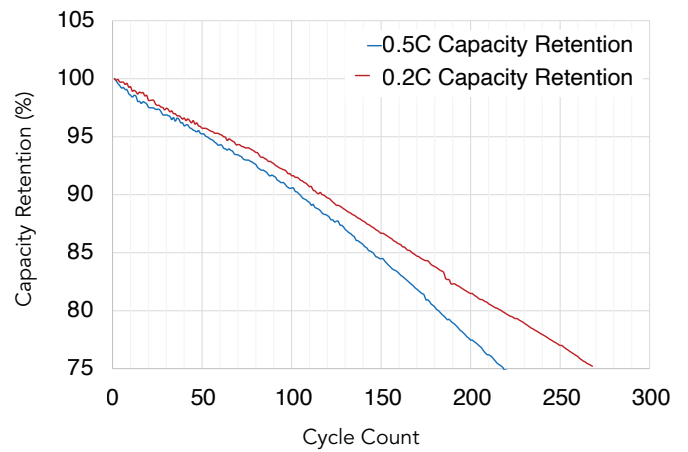
Discharge Rate Capability

0.1C, 0.2C, 0.33C, 0.5C, 1C at Room Temperature



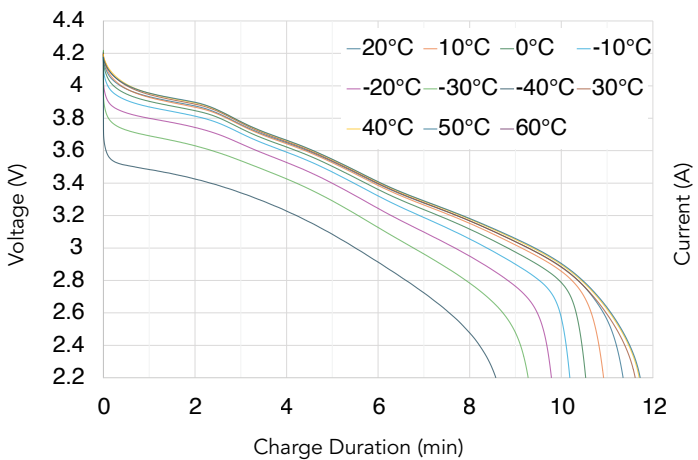
Cycle Life Performance

+0.5C/-0.5C and +0.2C/-0.2C, 100% DoD at Room Temp, 30psi



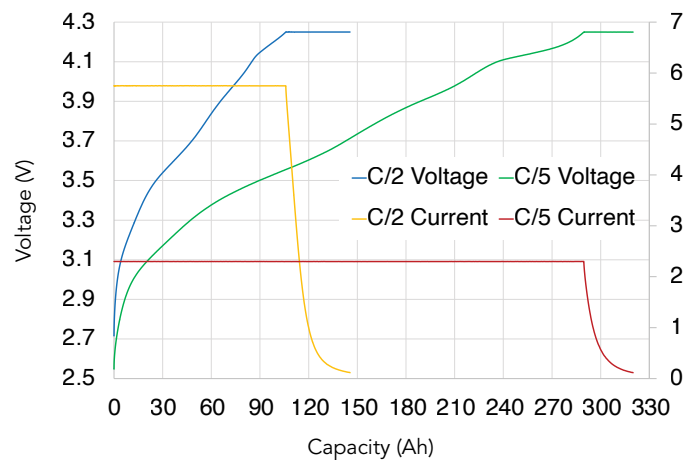
Charge Rate Profiles

0.2C, 0.5C at Room Temperature



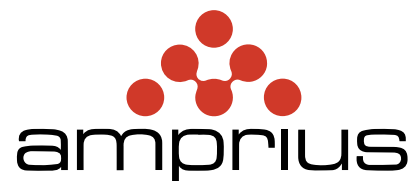
High/Low Temperature Discharge Performance

Discharge Capacity at 0.1C at Various Temperatures



SA110

SiCore™ | Rechargeable Lithium-Ion Cell



4Ah Energy + Mid Power 18650 Cell

Specifications



Capacity	Typical @ C/5	4000 mAh
		14.08 Wh
	Minimum	3850 mAh
		13.55 Wh
Cell Voltage	Nominal	3.52 V
	Charge	4.20 V
	Discharge	2.50 V
Discharge Current	Max Continuous	12.0 A (3C)
	Max Pulse (≤ 30 seconds)	20.0 A (5C)
Charge Current	Typical	2.0 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 m Ω
Cycle Life	+0.5C/-1.0C, (4.2V to 2.75V) to 80% SOH	500 cycles
Weight		48.0 \pm 2.0g
Packaging		Cylindrical
Cathode		NMC
Energy Density Including packaging	Gravimetric (@ 0.2C Discharge)	290 Wh/kg
	Volumetric (@ 30% SOC)	805 Wh/L
Certifications		UN38.3, IEC62133, PSE, CE, BIS*



Dimensions

Size	L1	65.05 \pm 0.15mm
	W1	18.35 \pm 0.15mm

*Q2 2026

Technical Data Sheet | AMP-TDS-SA110-R3

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA110

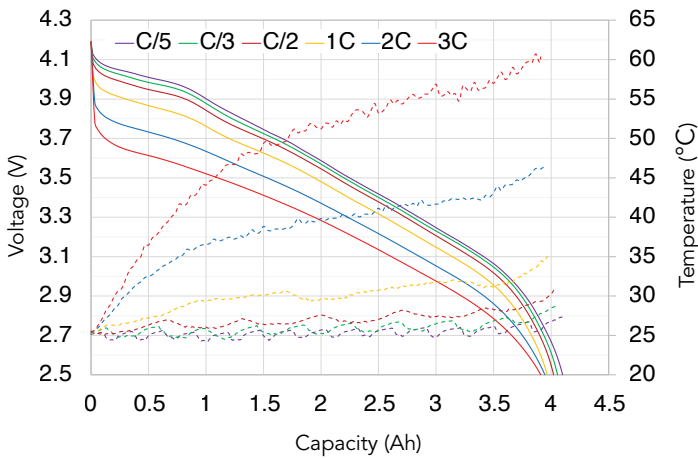
SiCore™ | Rechargeable Lithium-Ion Cell



4Ah Energy + Mid Power 18650 Cell

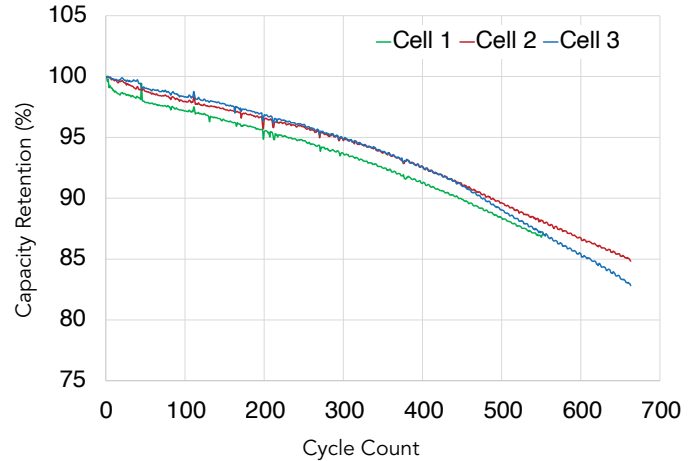
Discharge Rate Capability

0.2C, 0.33C, 0.5C, 1C, 2C, 3C at Room Temperature



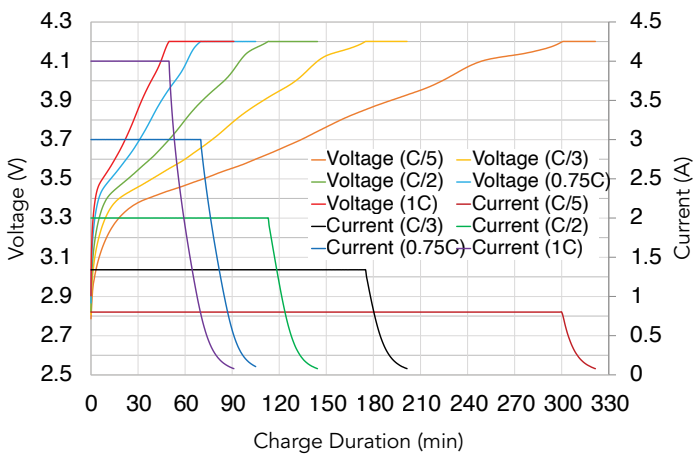
Cycle Life Performance

+0.5C/1C, 2.75V EoD at Room Temperature



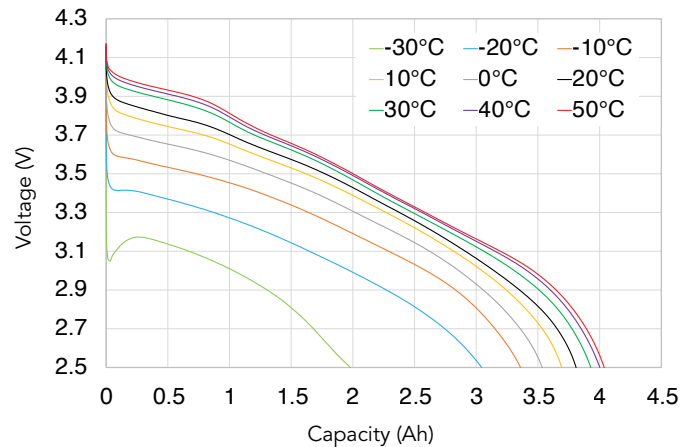
Charge Rate Profiles

0.2C, 0.33C, 0.5C, 0.75C, 1C at Room Temperature



High/Low Temperature Discharge Performance

Discharge Capacity at 0.2C at Various Temperatures



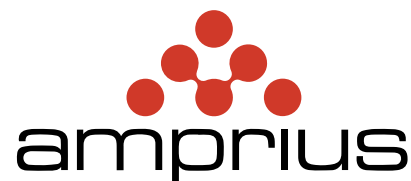
Technical Data Sheet | AMP-TDS-SA110-R3

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA112

SiCore™ | Rechargeable Lithium-Ion Cell



6.5Ah High Energy + Mid Power 21700 Cell

Specifications

Capacity	Typical @ C/5	6500 mAh
		22.5 Wh
	Minimum	6350 mAh
		21.97 Wh
Cell Voltage	Nominal	3.46 V
	Charge	4.2 V
	Discharge	2.5 V
Discharge Current	Max Continuous	13 A (2C)
	Max Pulse (≤ 30 seconds)	26 A (4C)
Charge Current	Typical	3.25 A (C/2)
	Maximum (0% to 100% SOC)	4.55 A (0.7C)
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)	≤ 22 m Ω
Cycle Life	+3.0A/-7.5A, (4.2V to 2.75V) to 80% SOH	500 cycles
	+0.5C/-1.0C, 70% DOD to 90% SOH	1000 cycles
Weight		72 \pm 1g
Packaging		Cylindrical
Cathode		NMC
Energy Density Including packaging	Gravimetric	315 Wh/kg
	Volumetric (@ 30% SOC)	860 Wh/L



Dimensions

Size	L1	70.75 \pm 0.25mm
	W1	21.50 \pm 0.2mm

*Q2 2026

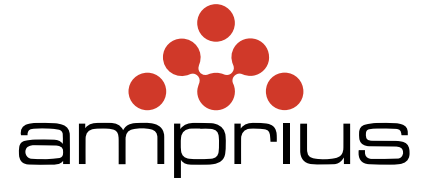
Technical Data Sheet | AMP-TDS-SA112-R4

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA112

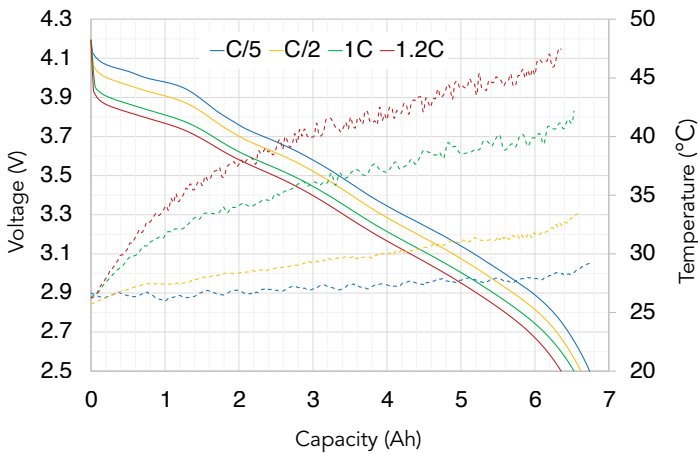
SiCore™ | Rechargeable Lithium-Ion Cell



6.5Ah High Energy + Mid Power 21700 Cell

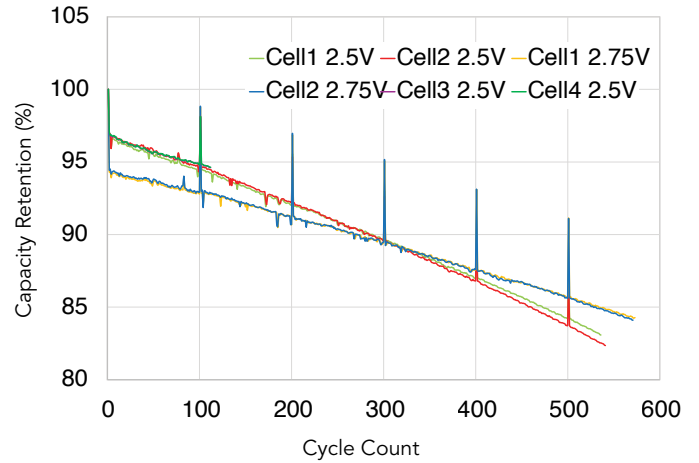
Discharge Rate Capability

0.2C, 0.5C, 1C, 1.2C at Room Temperature



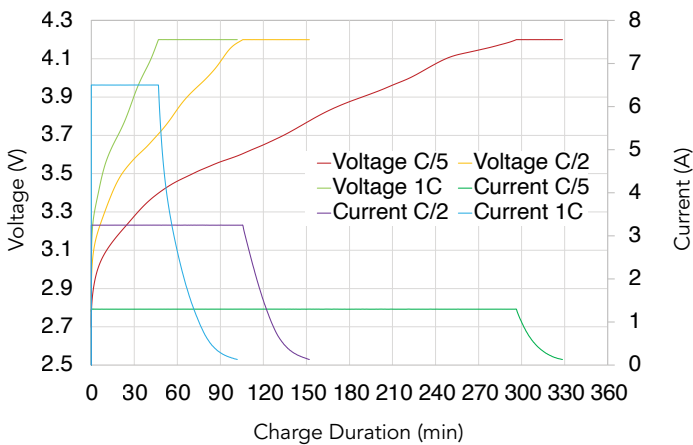
Cycle Life Performance

+3A/-6A, 2.5 and 2.75V EoD at Room Temperature



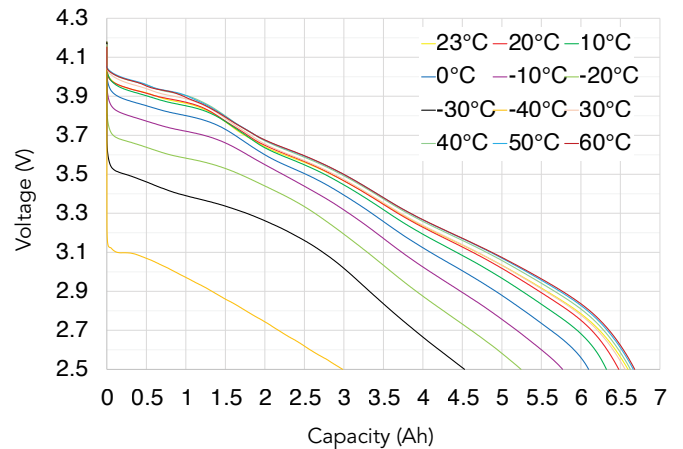
Charge Rate Profiles

0.2C, 0.5C, 1C at Room Temperature



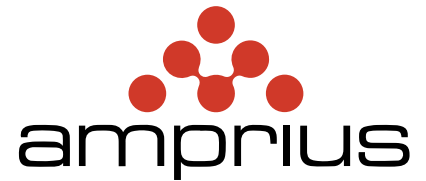
High/Low Temperature Discharge Performance

Discharge Capacity at 0.2C at Various Temperatures



SA117

SiCore™ | Rechargeable Lithium-Ion Cell



6Ah Energy + Mid Power 21700 Cell

Specifications



Capacity	Typical @ C/5	6000 mAh
		21.12 Wh
	Minimum	5900 mAh
		20.77 Wh
Cell Voltage	Nominal	3.52 V
	Charge	4.20 V
	Discharge	2.50 V
Discharge Current	Max Continuous	12.0 A (2C)
	Max Pulse (≤ 30 seconds)	24.0 A (4C)
Charge Current	Typical	3.0 A (C/2)
	Maximum (0% to 100% SOC)	4.2 A (0.7C)
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/-1.0C, (4.2V to 2.75V) to 80% SOH	500 cycles
Weight		72.0 \pm 2.0g
Packaging		Cylindrical
Cathode		NMC
Energy Density Including packaging	Gravimetric (@ 0.2C Discharge)	290 Wh/kg
	Volumetric (@ 30% SOC)	805 Wh/L
Certifications		UN38.3, IEC62133, PSE, CE, BIS*



Dimensions

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

*Q2 2026

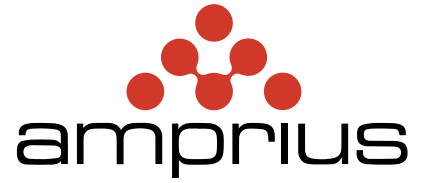
Technical Data Sheet | AMP-TDS-SA117-R3

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA117

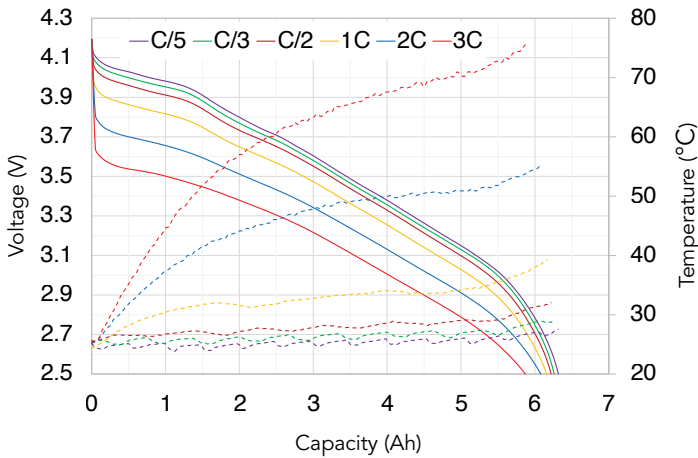
SiCore™ | Rechargeable Lithium-Ion Cell



6Ah Energy + Mid Power 21700 Cell

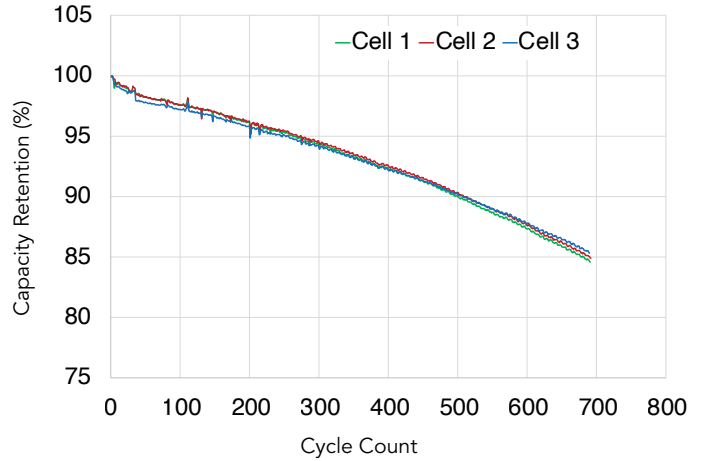
Discharge Rate Capability

0.2C, 0.33C, 0.5C, 1C, 2C, 3C at Room Temperature



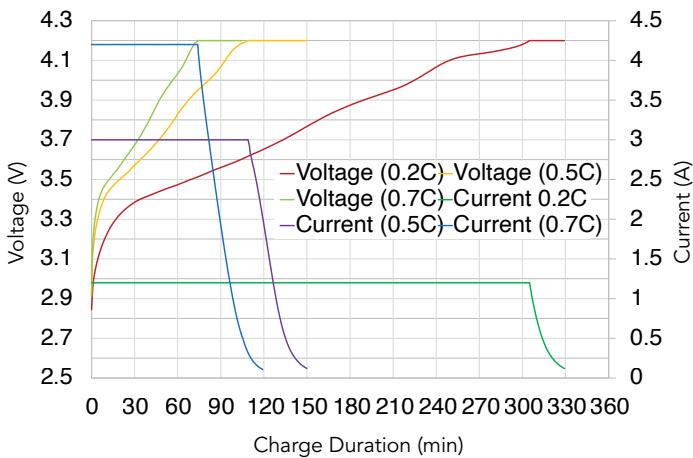
Cycle Life Performance

+0.5C/1C, 2.75V EoD at Room Temperature



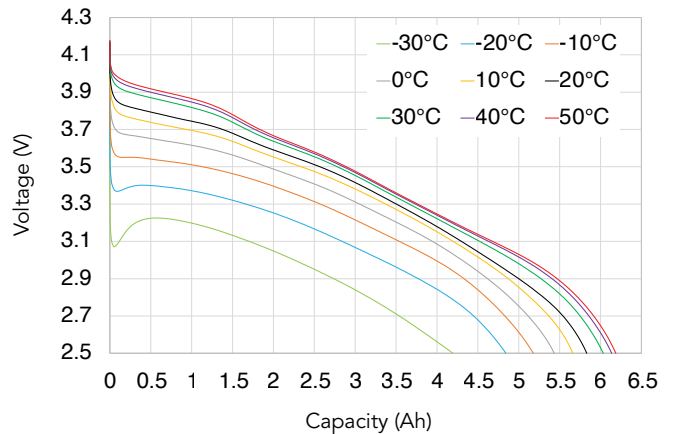
Charge Rate Profiles

0.2C, 0.5C, 0.7C at Room Temperature



High/Low Temperature Discharge Performance

Discharge Capacity at 0.2C at Various Temperatures



SA124

SiCore™ | Rechargeable Lithium-Ion Cell

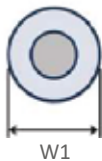
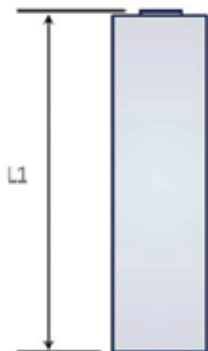


5.0 Ah High Power Cell



Specifications

Capacity	Typical @ C/5	5000 mAh
		18.0 Wh
	Minimum	4950 mAh
		17.82 Wh
Cell Voltage	Nominal	3.60 V
	Charge	4.2 V
	Discharge	2.50 V
Discharge Current	Max Continuous	50 A (10C)
	Max Pulse (≤ 30 seconds)	180.0 A (2 sec)
Charge Current	Typical	2.50 A (0.5C)
	Maximum (0% to 100% SOC)	10.0 A (2.0C)
Temperature Range Ambient	Discharge	-20 to 60°C
	Charge	0 to 45°C
	Storage	-20 to 45°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤ 5 m Ω
Cycle Life	+1C /-1C, 100% DoD to 80% SOH	900 cycles
Weight		70.0 \pm 2.0g
Packaging		Cylindrical
Cathode		NMC
Energy Density Including packaging	Gravimetric	257 Wh/kg
	Volumetric	687 Wh/L



Dimensions

Size	W1	21.70 \pm 0.2 mm
	L1	70.80 \pm 0.3 mm

*Q2 2026

Technical Data Sheet | AMP-TDS-SA124-R0

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA124

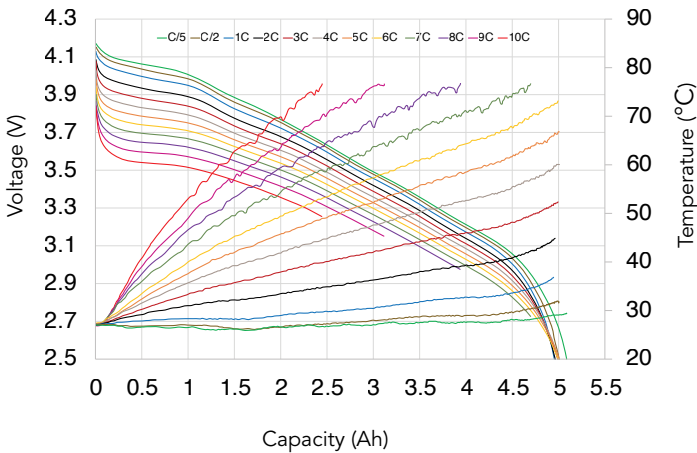
SiCore™ | Rechargeable Lithium-Ion Cell



5.0 Ah High Power Cell

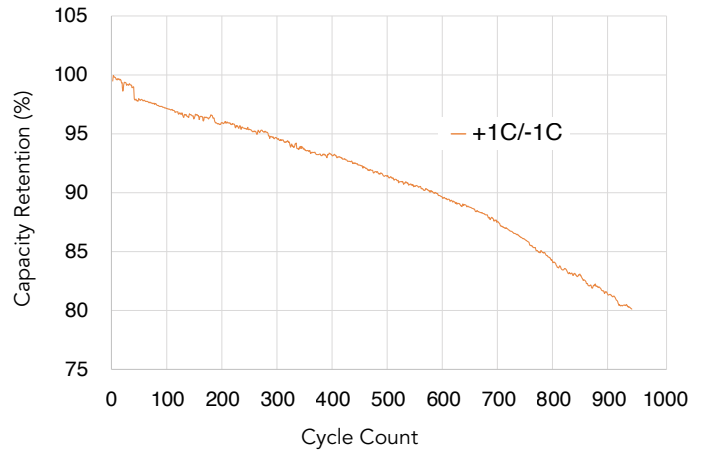
Discharge Rate Capability

0.2C, 0.5C, 1C, 2C, 3C, 4C, 5C, 6C, 7C, 8C, 9C, 10C at Room Temperature



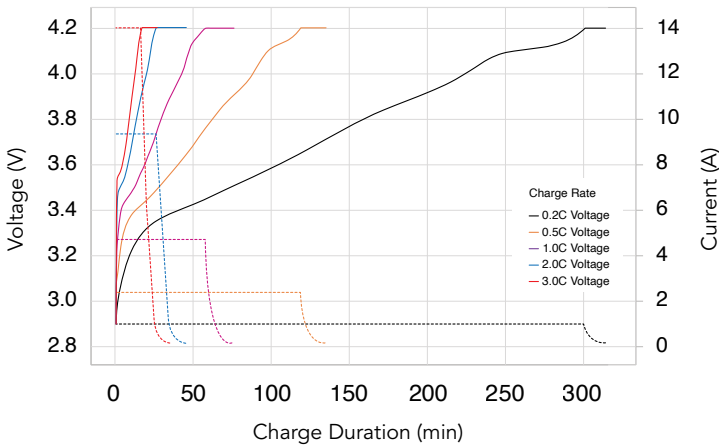
Cycle Life Performance

At +1C/-1C, 100% DoD, at Room Temperature



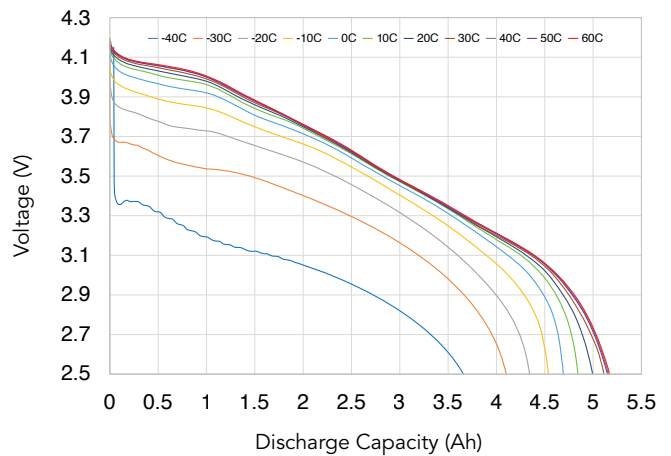
Charge Rate Profiles

0.2C, 0.5C, 1C, 2C, 3C at Room Temperature



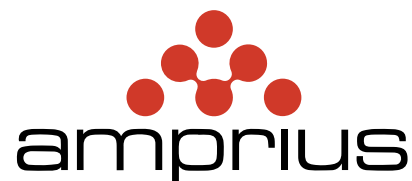
High/Low Temperature Discharge Performance

Discharge Capacity @ 0.5C at Various Temperatures



SA129

SiCore™ | Rechargeable Lithium-Ion Cell

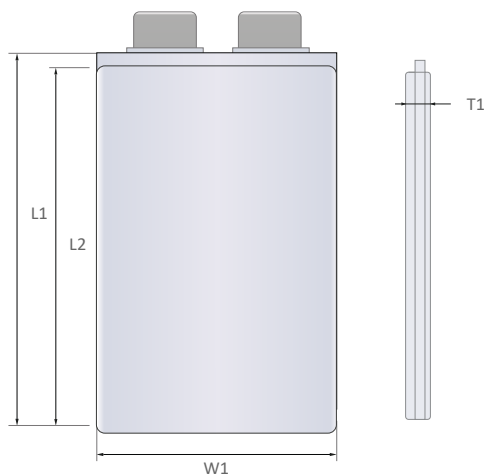


14.8Ah Power Cell



Specifications

Capacity	Typical @ C/5	14800 mAh
		52.1 Wh
	Minimum	14500 mAh
		51.04 Wh
Cell Voltage	Nominal	3.52 V
	Charge	4.2 V
	Discharge	2.50 V
Discharge Current	Max Continuous	72.5 A (5C)
	Max Pulse (≤ 30 seconds)	116.0 A (8C)
Charge Current	Typical	2.9 A (0.2C)
	Maximum (0% to 100% SOC)	14.5 A (1C)
Temperature Range Ambient	Discharge	-20 to 55°C
	Charge	0 to 45°C
	Storage	-20 to 45°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤ 8 m Ω
Cycle Life	+1C/-1C, 100% DOD to 80% SOH	500 cycles
Weight		169.0 \pm 3.0g
Packaging		Pouch
Cathode		NMCA
Energy Density Including packaging	Gravimetric (@ 0.2C Discharge)	310 Wh/kg
	Volumetric (@ 30% SOC)	745 Wh/L
Certifications		UN38.3



Dimensions

Size	L1	148.0 \pm 1.5mm
	L2	137.0 \pm 1.5mm
	W1	91.5 \pm 1.5mm
	T1 (@ 30% SOC)	5.6 \pm 0.2mm

*Q2 2026

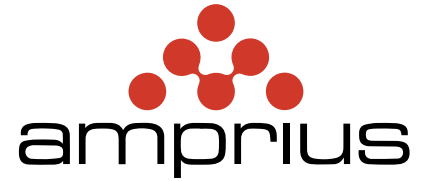
Technical Data Sheet | AMP-TDS-SA129-R1

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA129

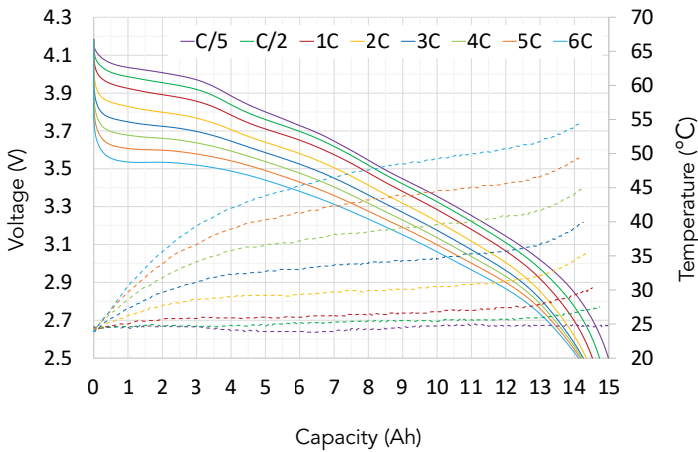
SiCore™ | Rechargeable Lithium-Ion Cell



14.8Ah Power Cell

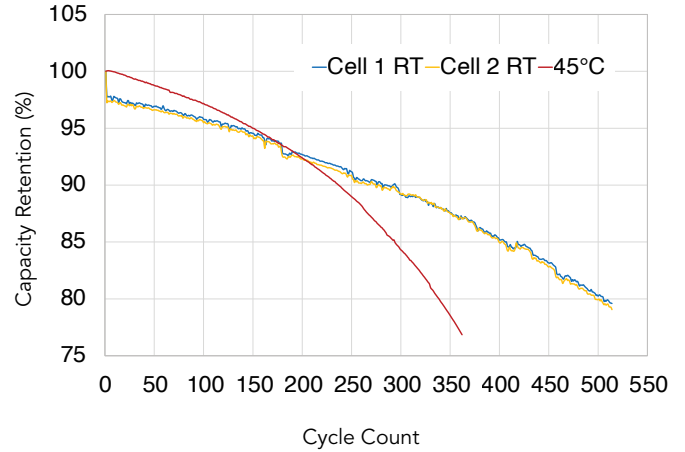
Discharge Rate Capability

0.2C, 0.5C, 1C, 2C, 3C, 4C, 5C, 6C at Room Temperature



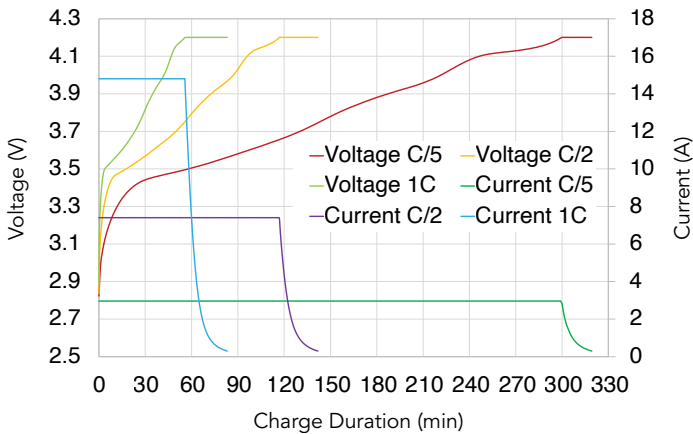
Cycle Life Performance

+1C/-1C, 100% DoD at 45°C and Room Temperature



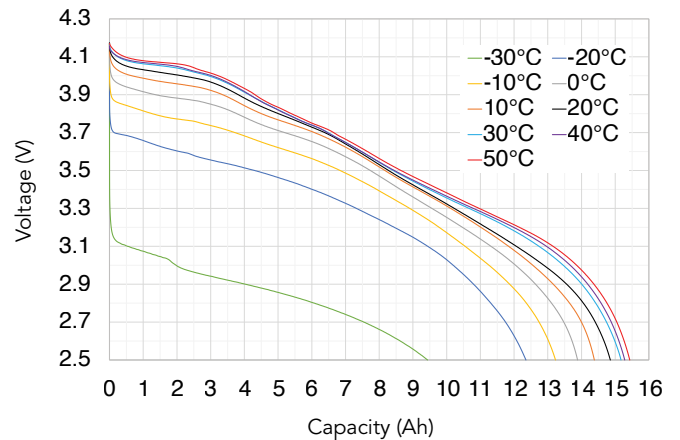
Charge Rate Profiles

0.2C, 0.5C, 1C at Room Temperature



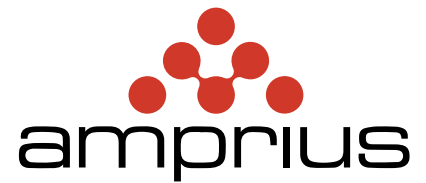
High/Low Temperature Discharge Performance

Discharge Capacity at 0.2C at Various Temperatures



SA133

SiCore™ | Rechargeable Lithium-Ion Cell



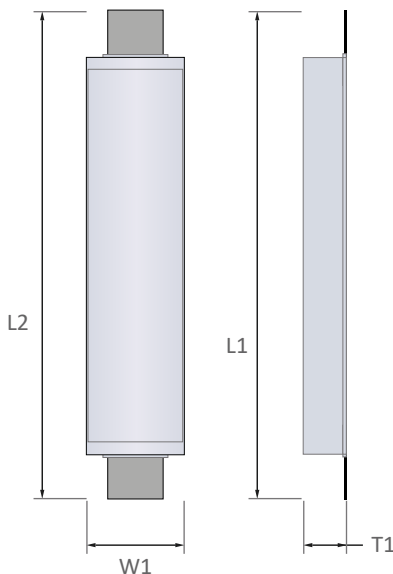
70Ah Energy + Power Balanced Cell

Specifications

Capacity	Typical @ C/5	72000 mAh 252 Wh
	Minimum	70000 mAh 245 Wh
Cell Voltage	Nominal	3.5 V
	Charge	4.2 V
	Discharge	2.5 V
Discharge Current	Max Continuous	210 A (3C)
	Max Pulse (≤ 30 seconds)	350 A (5C)
Charge Current	Typical	14 A (C/5)
	Maximum (0% to 100% SOC)	70 A (1C)
Temperature Range Ambient	Discharge	-20 to 60°C
	Charge	0 to 55°C
	Storage	-20 to 45°C
Internal Resistance	ACIR (50 Hz @ 30% SOC)	≤ 5 m Ω
Cycle Life	+1C/-1C, 100% DOD to 80% SOH	500 cycles
Weight		738 \pm 10g
Packaging		Pouch
Cathode		NMC
Energy Density Including packaging	Gravimetric	340 Wh/kg
	Volumetric (@ 30% SOC)	700 Wh/L
Certifications	UN 38.3	

Dimensions

Size	L1	326.5 \pm 1.5mm
	L2	294.5 \pm 1.5mm
	W1	79.0 \pm 1.0mm
	T1 (@ 30% SOC)	13.6 \pm 0.3mm



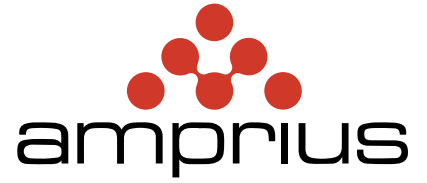
Technical Data Sheet | AMP-TDS-SA133-P1

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA133

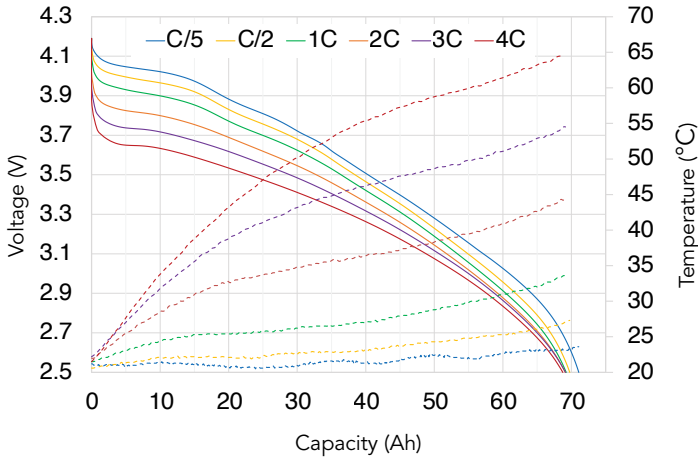
SiCore™ | Rechargeable Lithium-Ion Cell



70Ah Energy + Power Balanced Cell

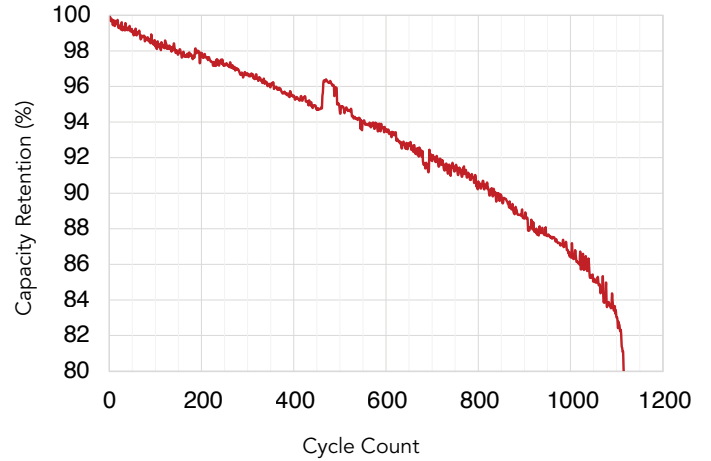
Discharge Rate Capability

0.2C, 0.5C, 1C, 2C, 3C, 4C at Room Temperature



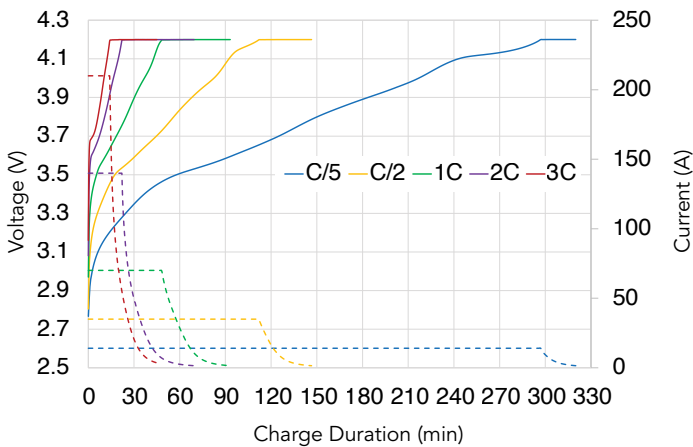
Cycle Life Performance

+1C/-1C, 100% DoD at Room Temperature



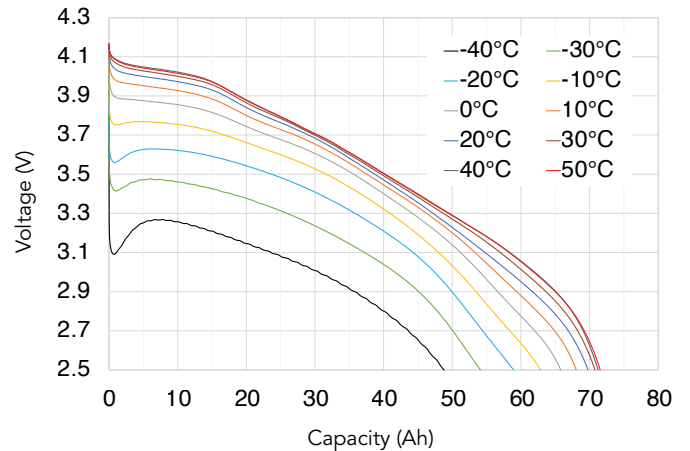
Charge Rate Profiles

0.2C, 0.5C, 1C, 2C, 3C at Room Temperature



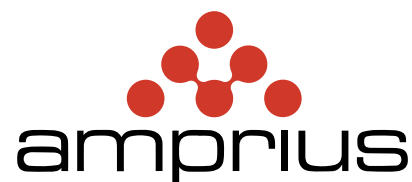
High/Low Temperature Discharge Performance

Discharge Capacity at 0.5C at Various Temperatures



SA134

SiCore™ | Rechargeable Lithium-Ion Cell



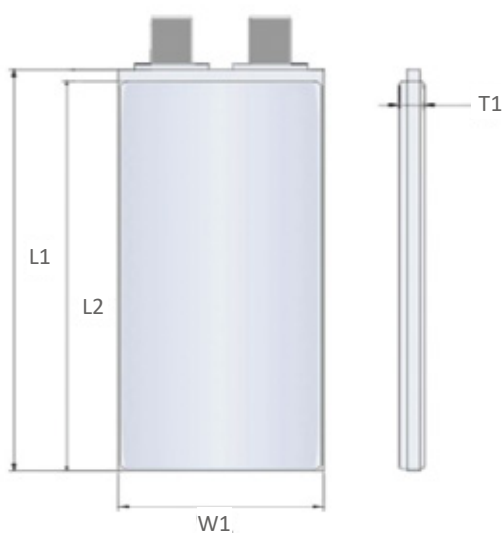
35.4 Ah Power Balanced Cell

Specifications

Capacity	Typical @ C/5	35400mAh
		123.90 Wh
	Minimum	34700 mAh
		121.45 Wh
Cell Voltage	Nominal	3.50 V
	Charge	4.20 V
	Discharge	2.50 V
Discharge Current	Max Continuous	138.8 A (4C)
	Max Pulse (≤ 30 seconds)	277.6 A (8C)
Charge Current	Typical	6.94 A (0.2C)
	Maximum (0% to 100% SOC)	69.4 A (2C)
Temperature Range Ambient	Discharge	-20 to 60°C
	Charge	0 to 45°C
	Storage	-20 to 45°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤ 2 m Ω
Cycle Life	+1C/-1C, 100% DOD to 80% SOH	600 cycles
	+1C/-3C, 100% DOD to 80% SOH	700 cycles
Weight		378.0 \pm 5g
Packaging		Pouch
Cathode		NMC
Energy Density Including packaging	Gravimetric	320 Wh/kg
	Volumetric (@ 30% SOC)	765 Wh/L
Certifications	UN 38.3	

Dimensions

Size	L1	187.0 \pm 1.5mm
	L2	180.0 \pm 1.5mm
	W1	87.0 \pm 1.0mm
	T1 (@ 30% SOC)	9.80 \pm 0.3mm



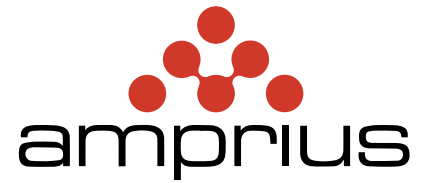
Technical Data Sheet | AMP-TDS-SA134-R1

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA134

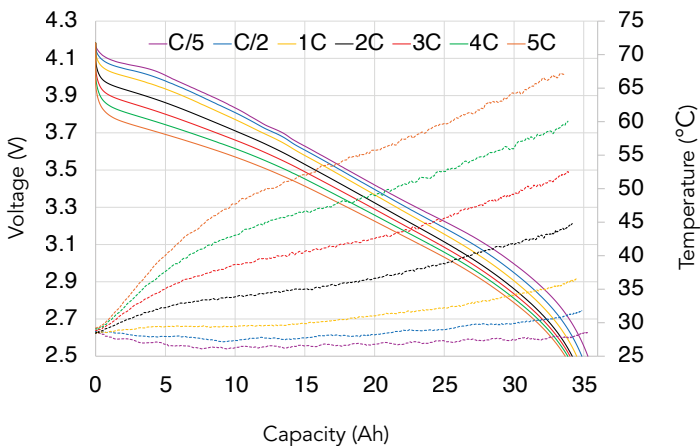
SiCore™ | Rechargeable Lithium-Ion Cell



35.4 Ah Power Balanced Cell

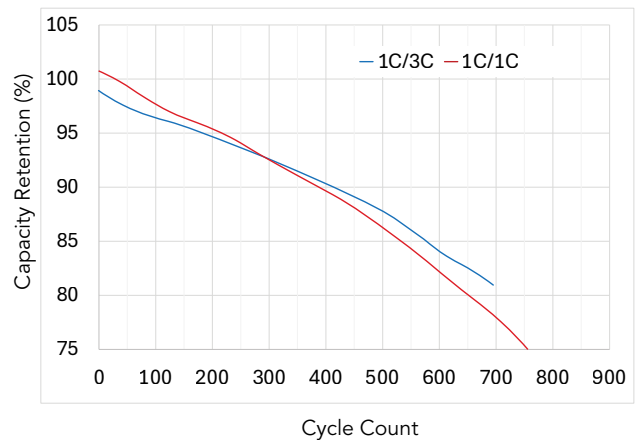
Discharge Rate Capability

0.2C, 0.5C, 1C, 2C, 3C, 4C, 5C at Room Temperature



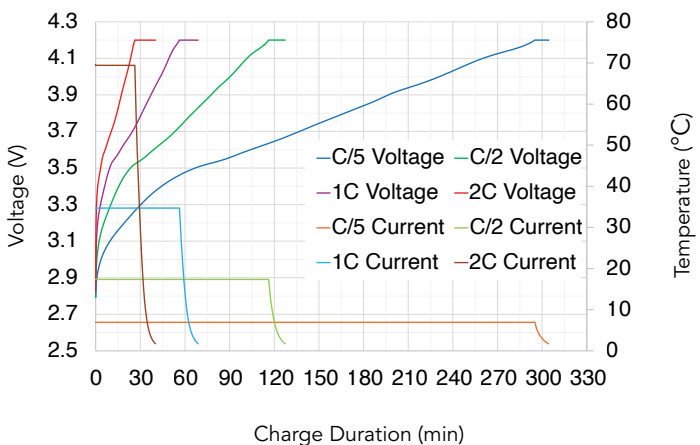
Cycle Life Performance

+1C/-1C, +1C/-3C, 100% DoD at Room Temperature



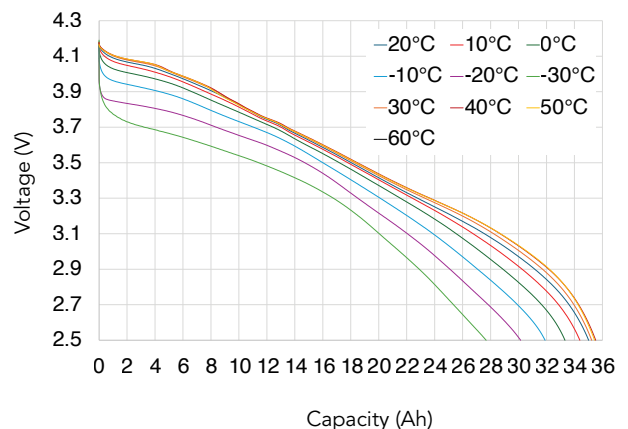
Charge Rate Profiles

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



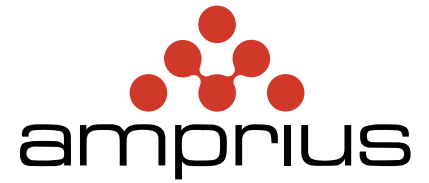
High/Low Temperature Discharge Performance

Discharge Capacity at 0.2C at Various Temperatures



SA504

SiCore™ | Rechargeable Lithium-Ion Cell

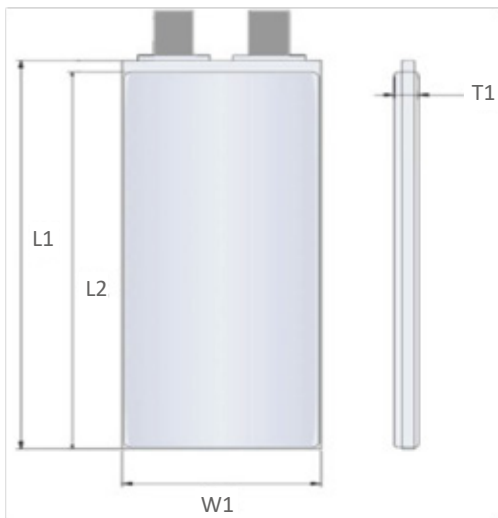


11.05 Ah High Energy + High Power Cell

Specifications



Capacity	Typical @ C/5	11050mAh
		37.57 Wh
	Minimum	10800 mAh
		36.72 Wh
Cell Voltage	Nominal	3.40 V
	Charge	4.20 V
	Discharge	2.50 V
Discharge Current	Max Continuous	66.3 A (6C)
	Max Pulse (≤ 30 seconds)	88.4 A (8C)
Charge Current	Typical	10.8 A (1C)
	Maximum (0% to 100% SOC)	21.6 A (2C)
Temperature Range Ambient	Discharge	-20 to 60°C
	Charge	0 to 45°C
	Storage	-20 to 45°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	≤ 6 m Ω
Cycle Life	+1C/-1C, 100% DOD to 80% SOH	500 cycles
	+1C/-3C, 100% DOD to 80% SOH	400 cycles
Weight		97.3 \pm 2g
Packaging		Pouch
Cathode		NMC
Energy Density Including packaging	Gravimetric	390 Wh/kg
	Volumetric (@ 30% SOC)	860 Wh/L
Certifications		UN 38.3, IEC 62133



Dimensions

Size	L1	125.4 \pm 1.0mm
	L2	119.0 \pm 1.0mm
	W1	42.20 \pm 1.0mm
	T1 (@ 30% SOC)	8.25 \pm 0.3mm

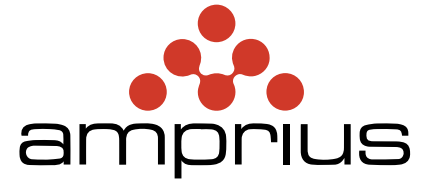
Technical Data Sheet | AMP-TDS-SA504-R1

Fremont, CA | sales@amprius.com

©2026 Amprius Technologies, Inc. | www.amprius.com | All information is subject to change without notice

SA504

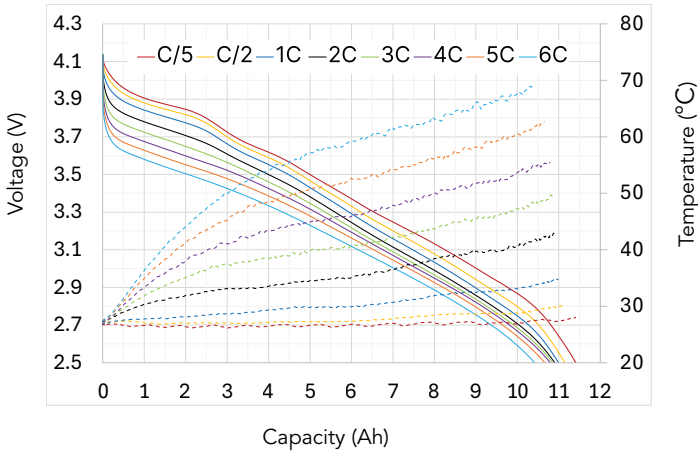
SiCore™ | Rechargeable Lithium-Ion Cell



11.05 Ah High Energy + High Power Cell

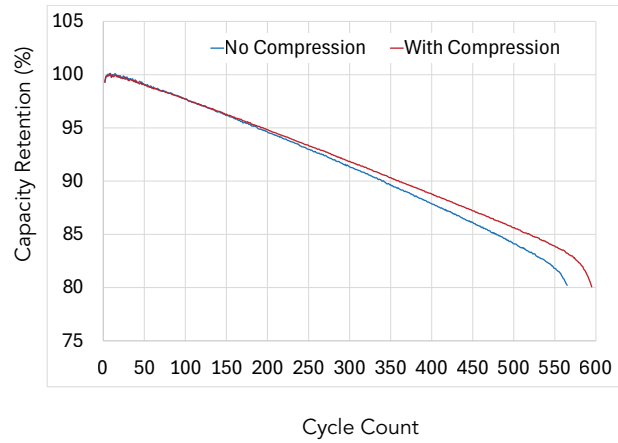
Discharge Rate Capability - Capacity

0.2C, 0.5C, 1C, 2C, 3C, 4C, 5C, 6C at Room Temperature



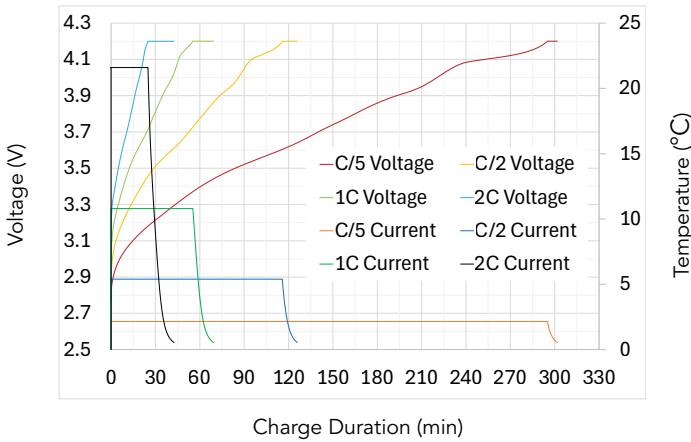
Cycle Life Performance

+1C/-1C, 100% DoD at Room Temperature



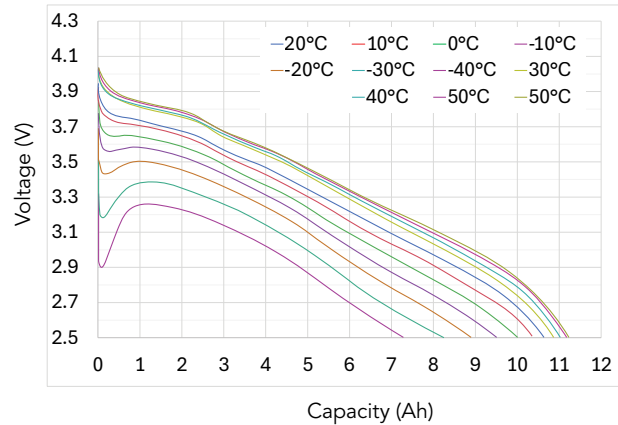
Charge Rate Profiles

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



High/Low Temperature Discharge Performance

Discharge Capacity at 1C at Various Temperatures





Get in touch



www.amprius.com



sales@amprius.com



1180 Page Ave.
Fremont, CA, USA