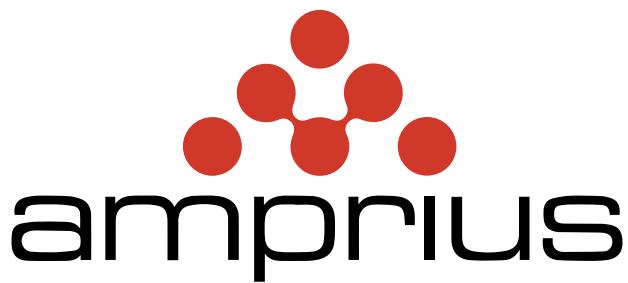


Product Portfolio

Q3 2025





Amprius Technologies is a pioneer in advanced lithium-ion battery technology, delivering industry-leading energy density with its proprietary silicon anode platforms. Our SiMaxx™ cells offer up to 450 Wh/kg and 1,150 Wh/L, with third-party validation confirming performance up to 500 Wh/kg and 1,300 Wh/L—among the highest levels commercially available today. In 2025, we expanded our portfolio with the SiCore® platform, designed to deliver up to 450 Wh/kg while balancing power, energy, and cycle life for a broader range of applications.

Headquartered in Fremont, California, Amprius operates a megawatt-hour-scale facility for R&D and cell production and has secured over 1.8 GWh of contract manufacturing capacity through strategic partnerships. This capital-light 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.

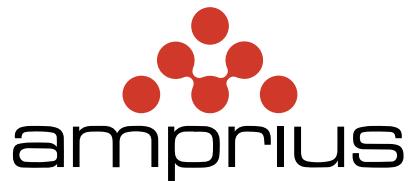


Table of Contents

	SiMaxx Pouch	SiCore Pouch	SiCore Cylindrical	High Energy Cell	High Power Cell	Balanced Cell
SA02		X				X
SA03		X		X		
SA04		X				X
SA08		X			X	
SA11		X				X
SA19		X			X	
SA23		X				X
SA24			X			X
SA30		X			X	
SA34		X		X		
SA82	X			X		
SA88		X			X	
SA90		X				X
SA102		X		X		
SA103		X				X
SA107		X		X		
SA109		X		X		
SA110			X			X
SA112			X	X		
SA117			X			X

SA02

SiCore™ | Rechargeable Lithium-Ion Cell

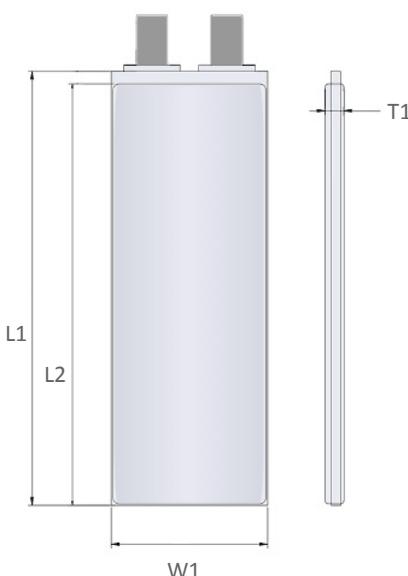


11.25 Ah Energy + Power Balanced Cell

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 (\leq 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	Discharge	-20 to 55°C
Ambient	Charge	0 to 55°C
	Storage	-20 to 30°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	\leq 10 mΩ
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	Gravimetric (@ 1C discharge)	340 Wh/kg
Including packaging	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

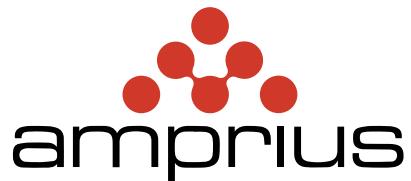
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SA03

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 (\leq 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	Discharge	-20 to 55°C
Ambient	Charge	10 to 55°C
	Storage	-20 to 45°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	\leq 20 mΩ
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	Gravimetric	400 Wh/kg
Including packaging	Volumetric (@ 30% SOC)	875 Wh/L
Special Note	External clamping of 15 PSI is recommended	
Certifications	UN38.3, BIS, CE, IEC62133	

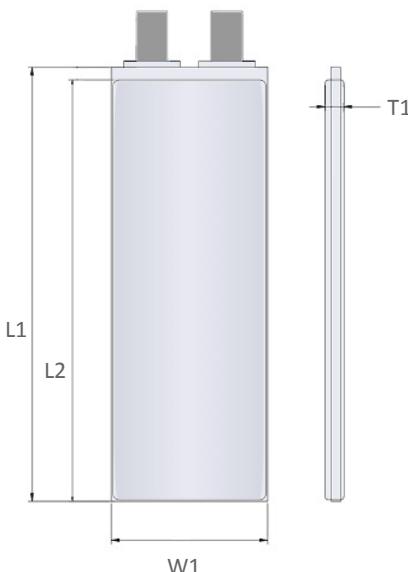
Dimensions

Size	L1	139.5 \pm 1.5mm
	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

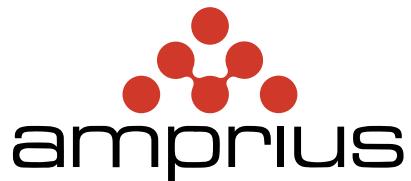
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SA04

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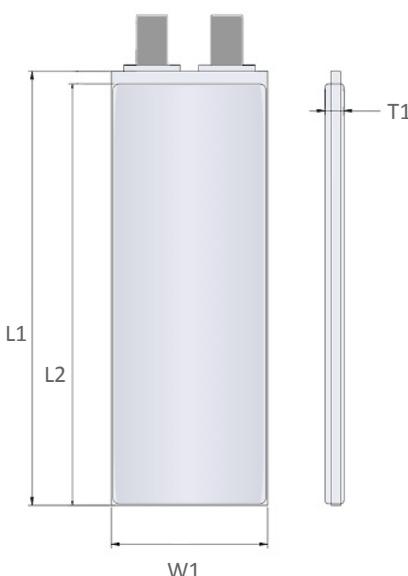
8.9 Ah Long Cycle Life Cell

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 (\leq 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	Discharge	-20 to 55°C
Ambient	Charge	0 to 55°C
	Storage	-20 to 30°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	\leq 8 mΩ
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	Gravimetric	315 Wh/kg
Including packaging	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



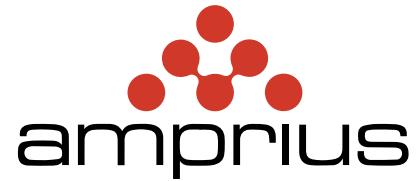
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SA08

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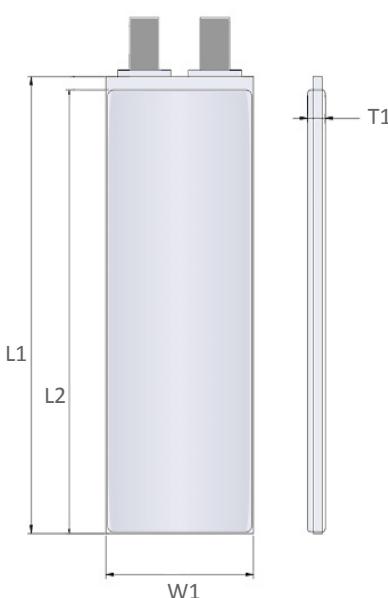
11.05 Ah Power Cell

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 (\leq 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	Discharge	-20 to 60°C
Ambient	Charge	0 to 60°C
	Storage	-20 to 45°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	\leq 6 mΩ
Cycle Life	+1C/-3C, 100% DOD to 80% SOH	250 cycles
	+1C/-3C, 70% DOD to 90% SOH	700 cycles
Weight		106.5 ± 2g
Packaging		Pouch
Cathode		NMC
Energy Density	Gravimetric (@ 1C discharge)	345 Wh/kg
Including packaging	Volumetric (@ 30% SOC)	750 Wh/L
Certifications		UN38.3, IEC62133, BIS

Dimensions

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



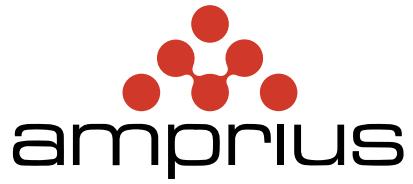
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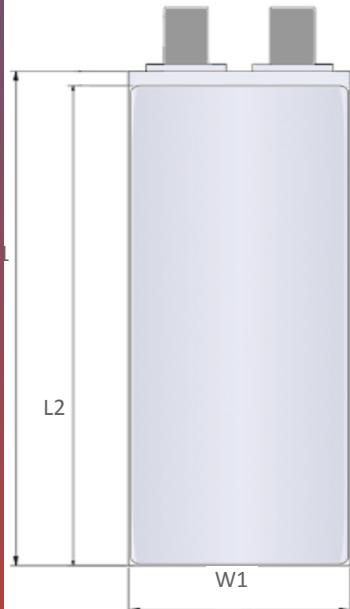
SA11

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 (\leq 30 seconds)	150 A (5C)
Charge Current	Typical	6 A (C/5)
	Maximum (0% to 100% SOC)	30 A (1C)
Temperature Range	Discharge	-20 to 55°C
Ambient	Charge	0 to 55°C
	Storage	-20 to 30°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	\leq 8 mΩ
Cycle Life	+1C/-1C, 100% DOD to 80% SOH	700 cycles
	+1C/-1C, 90% DOD to 80% SOH	1000 cycles
Weight		305 ± 9g
Packaging		Pouch
Cathode		NMC
Energy Density	Gravimetric (@ 1C discharge)	340 Wh/kg
Including packaging	Volumetric (@ 30% SOC)	770 Wh/L
Certifications	UN 38.3	

Dimensions

Size	L1	198.0 ±1.5mm
	L2	190.0 ±1.5mm
	W1	98.0 ±1.5mm
	T1 (@ 30% SOC)	7.0 ±0.3mm

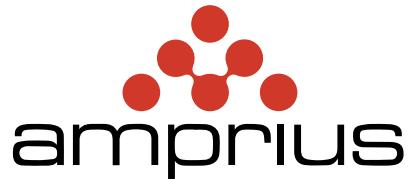
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SA19

SiCore™ | Rechargeable Lithium-Ion Cell



20.9Ah Power Cell

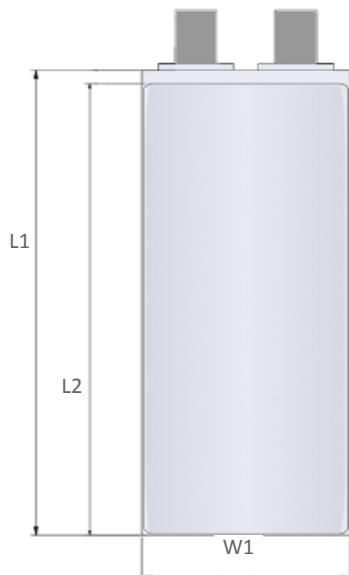
Specifications



Capacity	Typical @ C/10	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 (\leq 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	Discharge	-20 to 60°C
Ambient	Charge	0 to 60°C
	Storage	-20 to 45°C
Internal Resistance	ACIR (1 kHz @ 50% SOC)	\leq 8 mΩ
Cycle Life	+1.0C/-4.0C, 100% DOD to 80% SOH	150 cycles
Weight		206 ± 4.0g
Packaging		Pouch
Cathode		NMC
Energy Density	Gravimetric	340 Wh/kg
Including packaging	Volumetric (@ 30% SOC)	745 Wh/L
Certifications		UN 38.3

Dimensions

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



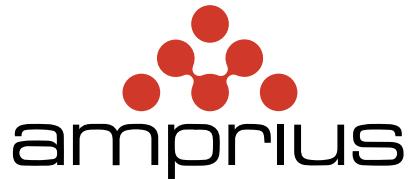
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SA23

SiCore™ | Rechargeable Lithium-Ion Cell



23.7 Ah Energy + Power Balanced Cell

Specifications

Capacity	Typical @ C/10	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 (\leq 30 seconds)	115 A (5C)
Charge Current	Typical	4.60 A (C/5)
	Maximum (0% to 100% SOC)	23 A (1C)
Temperature Range	Discharge	-20 to 55°C
Ambient	Charge	0 to 55°C
	Storage	-20 to 30°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	\leq 8 mΩ
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	Gravimetric	340 Wh/kg
Including packaging	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

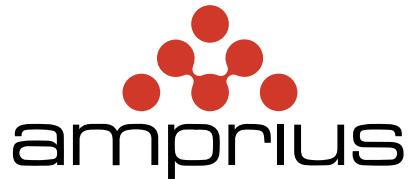
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SA24

SiCore™ | Rechargeable Lithium-Ion Cell



3.8Ah Energy + Mid Power 18650 Cell

Specifications

Capacity	Typical @ C/10	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 (\leq 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	Discharge	-20 to 60°C
Ambient	Charge	0 to 45°C
	Storage	-20 to 30°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	\leq 25 mΩ
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	Gravimetric	280 Wh/kg
Including packaging	Volumetric (@ 30% SOC)	790 Wh/L
Certifications	UN 38.3	



Dimensions

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

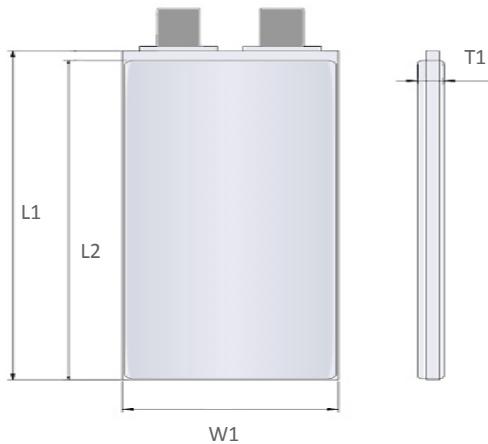
SA30

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 (\leq 30 seconds)	206.4 A (8C)
Charge Current	Typical	5.20 A (C/5)
	Maximum (0% to 100% SOC)	52 A (2C)
Temperature Range	Discharge	-20 to 60°C
Ambient	Charge	0 to 60°C
	Storage	-20 to 45°C
Internal Resistance	ACIR (1 kHz @ 50% SOC)	\leq 8 mΩ
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	Gravimetric (@ 1C discharge)	340 Wh/kg
Including packaging	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

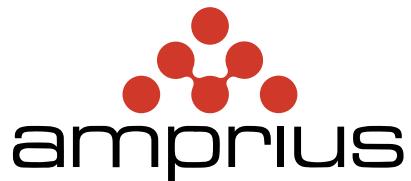
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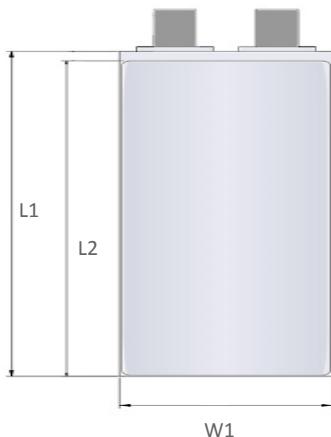
SA34

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 (\leq 30 seconds)	54 A (3C)
Charge Current	Typical	3.60 A (C/5)
	Maximum (0% to 100% SOC)	6 A (C/3)
Temperature Range	Discharge	-20 to 60°C
Ambient	Charge	10 to 55°C
	Storage	-20 to 45°C
Internal Resistance	ACIR (1 kHz @ 50% SOC)	\leq 20 mΩ
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	Gravimetric	380 Wh/kg
Including packaging	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

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SA82

SiMaxx™ | Rechargeable Lithium-Ion Cell



4.53Ah Ultra High Energy Cell

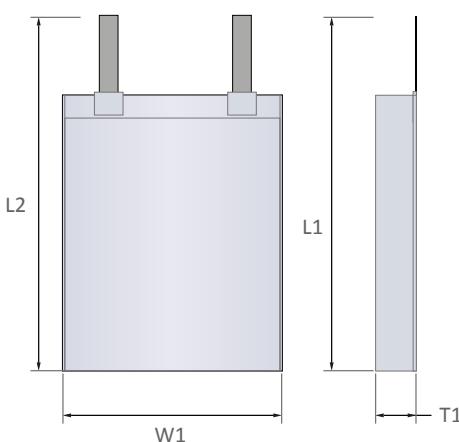
Specifications



Capacity	Typical @ C/10	4530 mAh
		15.63 Wh
Minimum		4350 mAh
		15.01 Wh
Cell Voltage	Nominal	3.45 V
	Charge	4.20 V
	Discharge	2.50 V
Discharge Current	Max Continuous	4.53 A (1C)
	Max Pulse (\leq 30 seconds)	9.06 A (2C)
Charge Current	Typical	0.87 A (C/5)
	Maximum (0% to 100% SOC)	4.53 A (1C)
Temperature Range	Discharge	-20 to 50°C
Ambient	Charge	10 to 45°C
	Storage	-20 to 30°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	\leq 40 mΩ
Cycle Life	+0.2C/-0.2C, 100% DOD to 80% SOH	150 cycles
Weight		32.0 \pm 1.0g
Packaging		Pouch
Cathode		NMCA
Energy Density	Gravimetric (@ 0.1C Discharge)	500 Wh/kg
Including packaging	Volumetric (@ 30% SOC)	1040 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)	5.3 \pm 0.4mm



*Q2 2026

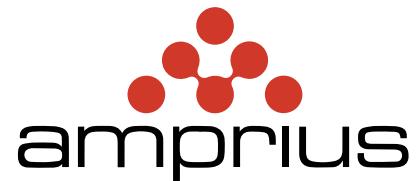
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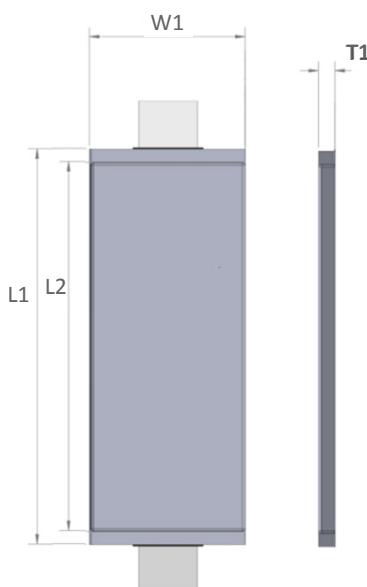
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SA88

SiCore™ | Rechargeable Lithium-Ion Cell



10.5Ah Ultra-High Power Cell



Specifications

Capacity	Typical @ C/5	10500 mAh
		36.23 Wh
	Minimum	10200 mAh
		35.19 Wh
Cell Voltage	Nominal	3.45 V
	Charge	4.20 V
	Discharge	2.50 V
Discharge Current	Max Continuous	105 A (10C)
	Max Pulse (\leq 30 seconds)	157.5 A (15C)
Charge Current	Typical	10.5 A (1C)
	Maximum (0% to 100% SOC)	105 A (10C)
Temperature Range	Discharge	-20 to 60°C
Ambient	Charge	0 to 45°C
	Storage	-20 to 45°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	\leq 2 mΩ
Cycle Life	+1C/-3C, 100% DOD to 80% SOH	200 cycles
Weight		96.5 ± 2g
Packaging		Pouch
Cathode		NMCA
Energy Density	Gravimetric (@ 1C discharge)	358 Wh/kg
Including packaging	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 ±1mm
	L2	125 ±1mm
	W1	60.3 ±1mm
	T1 (@ 30% SOC)	5.2 ±0.25mm

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SA90

SiCore™ | Rechargeable Lithium-Ion Cell



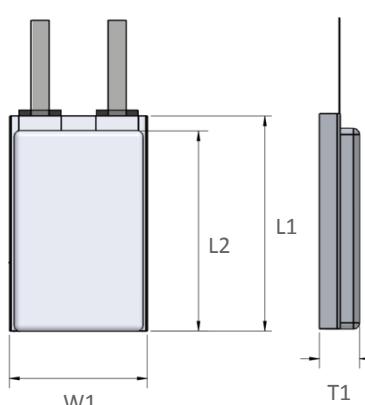
1.33Ah Balanced Power + Energy Cell

Specifications

Capacity	Typical @ C/10	1330 mAh
		4.56 Wh
Minimum		1150 mAh
		3.74 Wh
Cell Voltage	Nominal	3.27 V
	Charge	4.25 V
	Discharge	2.5 V
Discharge Current	Max Continuous	4 A (3C)
	Max Pulse (\leq 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	Discharge	-10 to 50°C
Ambient	Charge	0 to 50°C
	Storage	-20 to 30°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	\leq 40 mΩ
Cycle Life	+1C/-2C, 100% DOD to 80% SOH	150 cycles
Weight		11.9 \pm 0.3g
Packaging		Pouch
Cathode		NMCA
Energy Density	Gravimetric (@ 2C Discharge)	325 Wh/kg
Including packaging	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



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SA102

SiCore™ | Rechargeable Lithium-Ion Cell



4.24Ah Ultra High Energy Cell

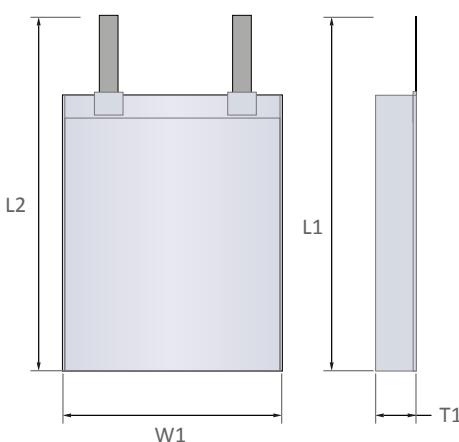
Specifications



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 (\leq 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	Discharge	-10 to 50°C
Ambient	Charge	0 to 50°C
	Storage	-20 to 45°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	\leq 30 mΩ
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	Gravimetric	450 Wh/kg
Including packaging	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



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SA103

SiCore™ | Rechargeable Lithium-Ion Cell



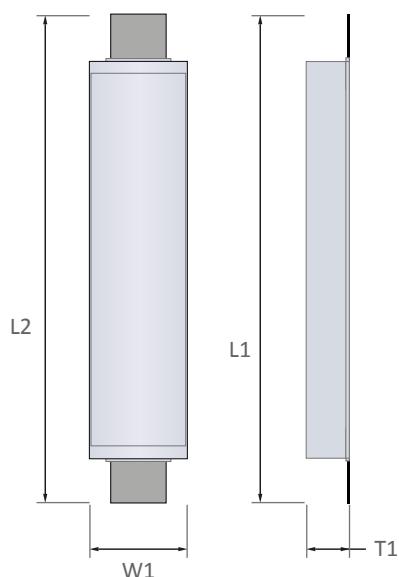
70 Ah Energy + Power Balanced Cell

Specifications

Capacity	Typical @ C/10	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 (\leq 30 seconds)	350 A (5C)
Charge Current	Typical	14 A (C/5)
	Maximum (0% to 100% SOC)	70 A (1C)
Temperature Range	Discharge	-20 to 60°C
Ambient	Charge	0 to 55°C
	Storage	-20 to 45°C
Internal Resistance	ACIR (50 Hz @ 30% SOC)	\leq 5 mΩ
Cycle Life	+1C/-1C, 100% DOD to 80% SOH	500 cycles
Weight		728 \pm 10g
Packaging		Pouch
Cathode		NMC
Energy Density	Gravimetric (@ 1C discharge)	340 Wh/kg
Including packaging	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



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SA107

SiCore™ | Rechargeable Lithium-Ion Cell



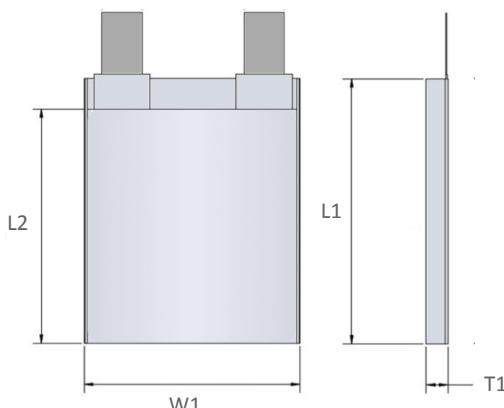
5.8Ah Ultra High Energy Cell

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 (\leq 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	Discharge	-20 to 60°C
Ambient	Charge	0 to 45°C
	Storage	-20 to 30°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	\leq 22 mΩ
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	Gravimetric (@ 0.1C Discharge)	450 Wh/kg
Including packaging	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



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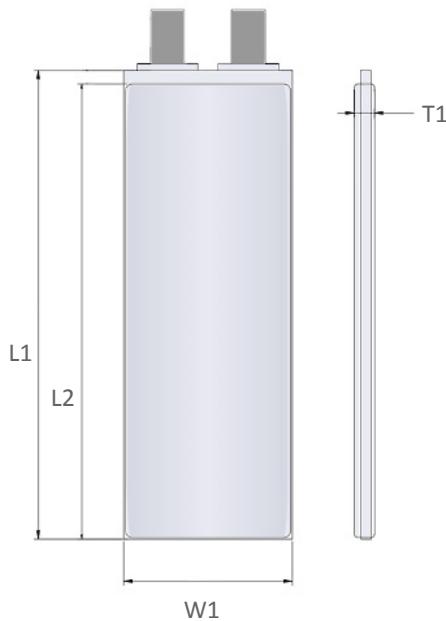
SA109

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 (\leq 30 seconds)	34.50 A (3C)
Charge Current	Typical	2.30 A (C/5)
	Maximum (0% to 100% SOC)	5.75 A (C/2)
Temperature Range	Discharge	-20 to 60°C
Ambient	Charge	0 to 45°C
	Storage	-20 to 30°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	\leq 15 mΩ
Cycle Life	+0.2C/-0.2C, 100% DOD to 80% SOH	125 cycles
Weight		88.0 \pm 2.0g
Packaging		Pouch
Cathode		NMCA
Energy Density	Gravimetric (@ 0.1C Discharge)	450 Wh/kg
Including packaging	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

*Q4 2025

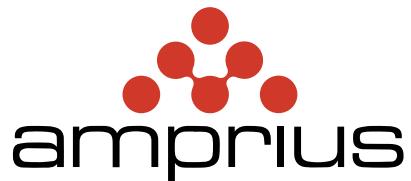
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SA110

SiCore™ | Rechargeable Lithium-Ion Cell

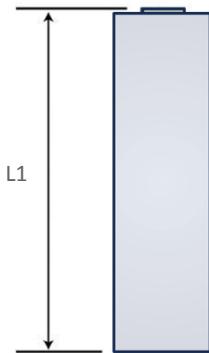


4Ah Energy + Mid Power 18650 Cell

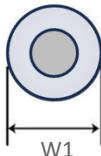
Specifications



Capacity	Typical @ C/10	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 (\leq 30 seconds)	20.0 A (5C)
Charge Current	Typical	2.0 A (C/2)
	Maximum (0% to 100% SOC)	4 A (1C)
Temperature Range	Discharge	-20 to 60°C
Ambient	Charge	0 to 45°C
	Storage	-20 to 30°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	\leq 25 mΩ
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	Gravimetric (@ 0.2C Discharge)	290 Wh/kg
Including packaging	Volumetric (@ 30% SOC)	805 Wh/L
Certifications	UN38.3, IEC62133*, BIS*, CE*	



Dimensions



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

*Q4 2025

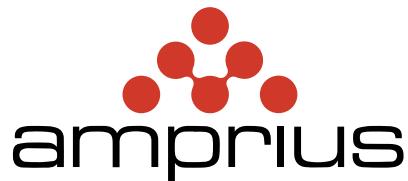
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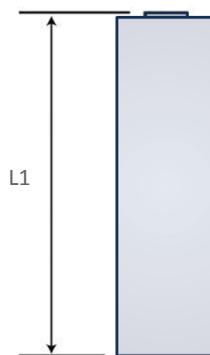
SA112

SiCore™ | Rechargeable Lithium-Ion Cell



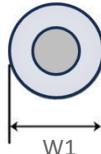
6.5Ah High Energy + Mid Power 21700 Cell

Specifications



Capacity	Typical @ C/10	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 (\leq 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	Discharge	-20 to 60°C
Ambient	Charge	0 to 45°C
	Storage	-20 to 30°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	\leq 22 mΩ
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 ± 1g
Packaging		Cylindrical
Cathode		NMC
Energy Density	Gravimetric	315 Wh/kg
Including packaging	Volumetric (@ 30% SOC)	860 Wh/L
Certifications	UN38.3, IEC62133*, PSE*, CE*	

Dimensions



Size	L1	70.75 ±0.25mm
	W1	21.50 ±0.2mm

*Q4 2025

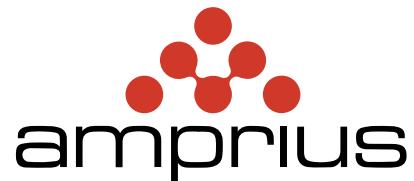
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SA117

SiCore™ | Rechargeable Lithium-Ion Cell



6Ah Energy + Mid Power 21700 Cell

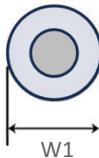
Specifications



Capacity	Typical @ C/10	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 (\leq 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	Discharge	-20 to 60°C
Ambient	Charge	0 to 45°C
	Storage	-20 to 30°C
Internal Resistance	ACIR (1 kHz @ 30% SOC)	\leq 25 mΩ
Cycle Life	+0.5C/-1.0C, (4.2V to 2.75V) to 80% SOH	500 cycles
Weight		75.0 \pm 2.0g
Packaging		Cylindrical
Cathode		NMC
Energy Density	Gravimetric (@ 0.2C Discharge)	290 Wh/kg
Including packaging	Volumetric (@ 30% SOC)	805 Wh/L
Certifications	UN38.3, IEC62133*, BIS*, CE*	



Dimensions



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

*Q4 2025

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