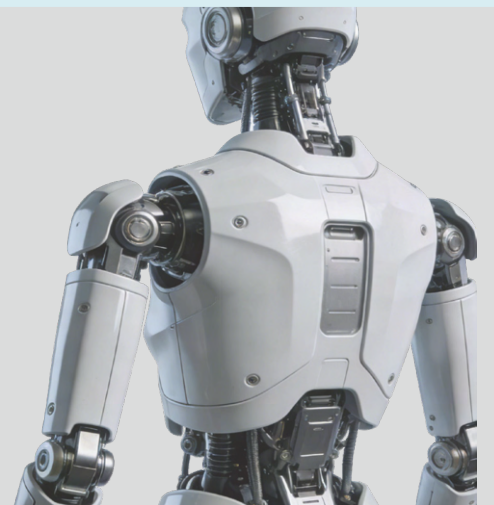




SES AI BATTERY SOLUTIONS

- High-Energy
- High-Power
- AI-Enhanced



Founded in 2012, SES AI Corporation (NYSE: SES) is a global leader in advanced lithium-ion battery innovation. Headquartered in Boston, with manufacturing in the United States, South Korea, and Malaysia, SES AI accelerates the world's energy transition through AI-driven material discovery and battery development.

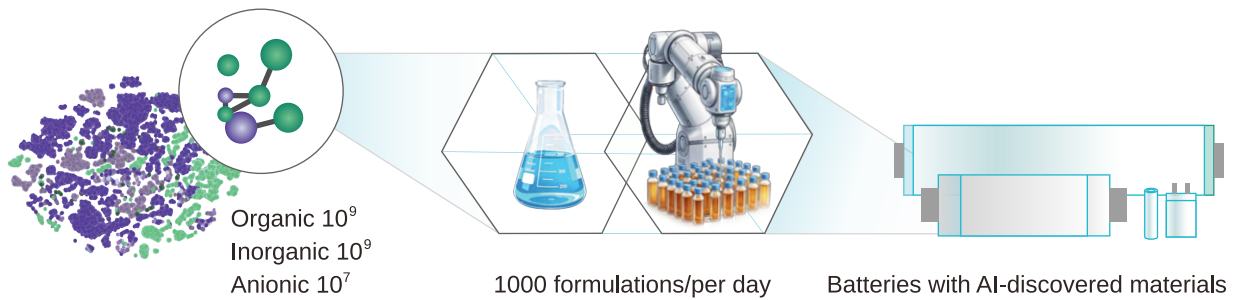
Our high-energy and high-power cells are the first in the world to incorporate electrolyte materials discovered by AI. Designed for demanding commercial and defense applications, SES AI cells power urban air mobility, drones, robotics, and other next-generation systems.

SES AI batteries are engineered to meet the highest safety and regulatory standards and are supported by a reliable, adaptable global supply chain—delivering performance, reliability, and scalable manufacturing worldwide.



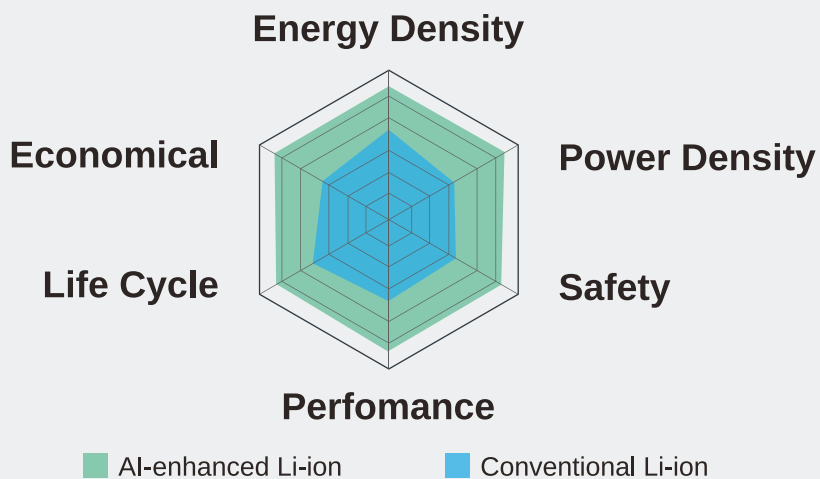
AI-ENHANCED BATTERY INNOVATION AND MATERIAL BREAKTHROUGHS

Our Molecular Universe AI platform accelerates battery development—delivering faster, more precise, and mission-optimized solutions for demanding flight applications.



HIGH ENERGY DENSITY AND BEST-IN-CLASS PERFORMANCE

Our industry-leading energy density and performance across the full spectrum—Ultra Energy, Energy, Balanced, Power, and Ultra Power—enabling longer flight times and higher reliability.



DEPENDABLE SUPPLY CHAIN WITH HIGH-VOLUME PRODUCTION READINESS

SES South Korea

One of the Largest Drone Pouch Cell
Manufacturing Plants Outside of China

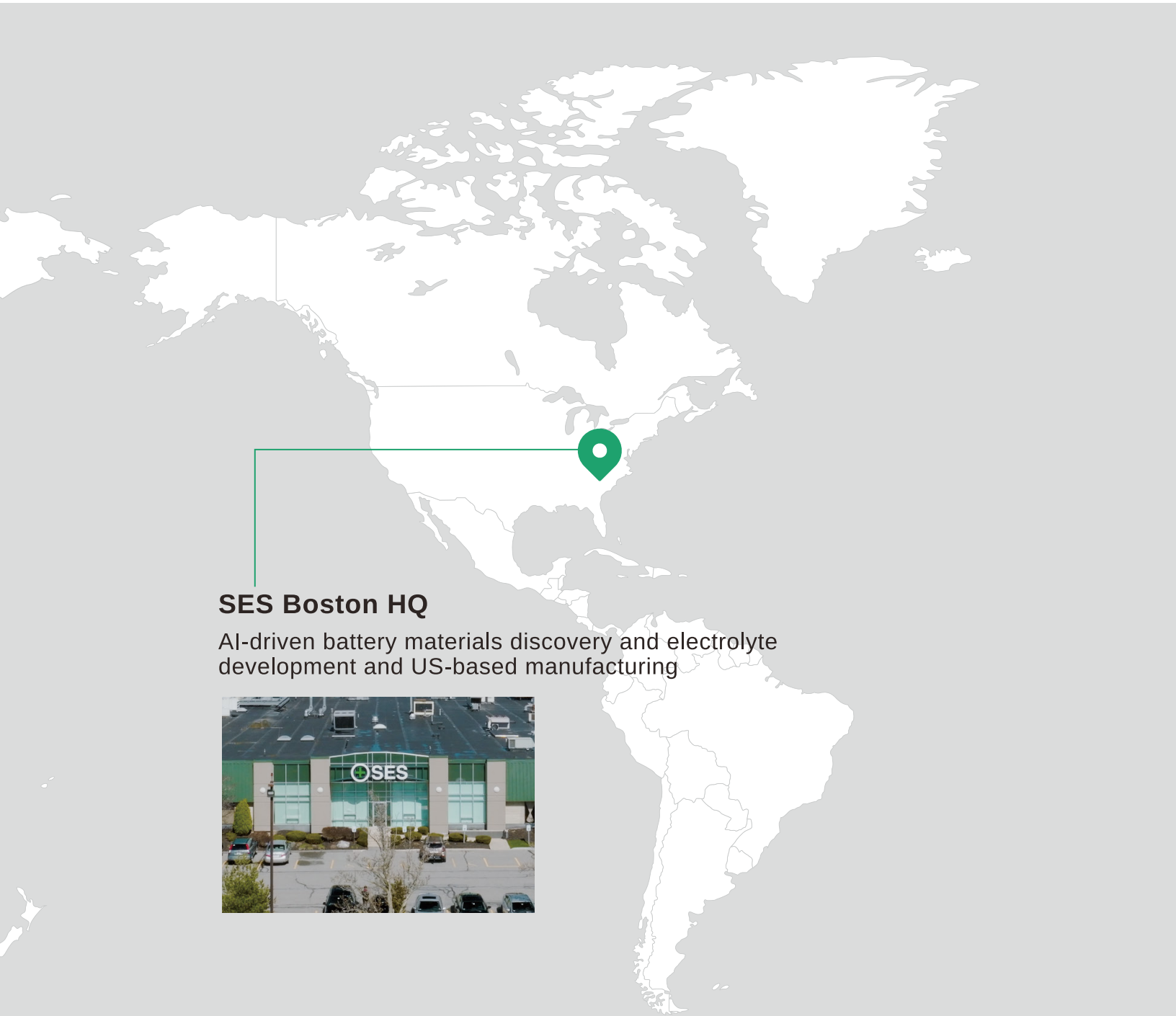


SES Malaysia

Cell Manufacturing



We source materials and manufacture cells across our United States, South Korea, and Malaysia facilities to ensure compliance and a dependable supply for our customers.

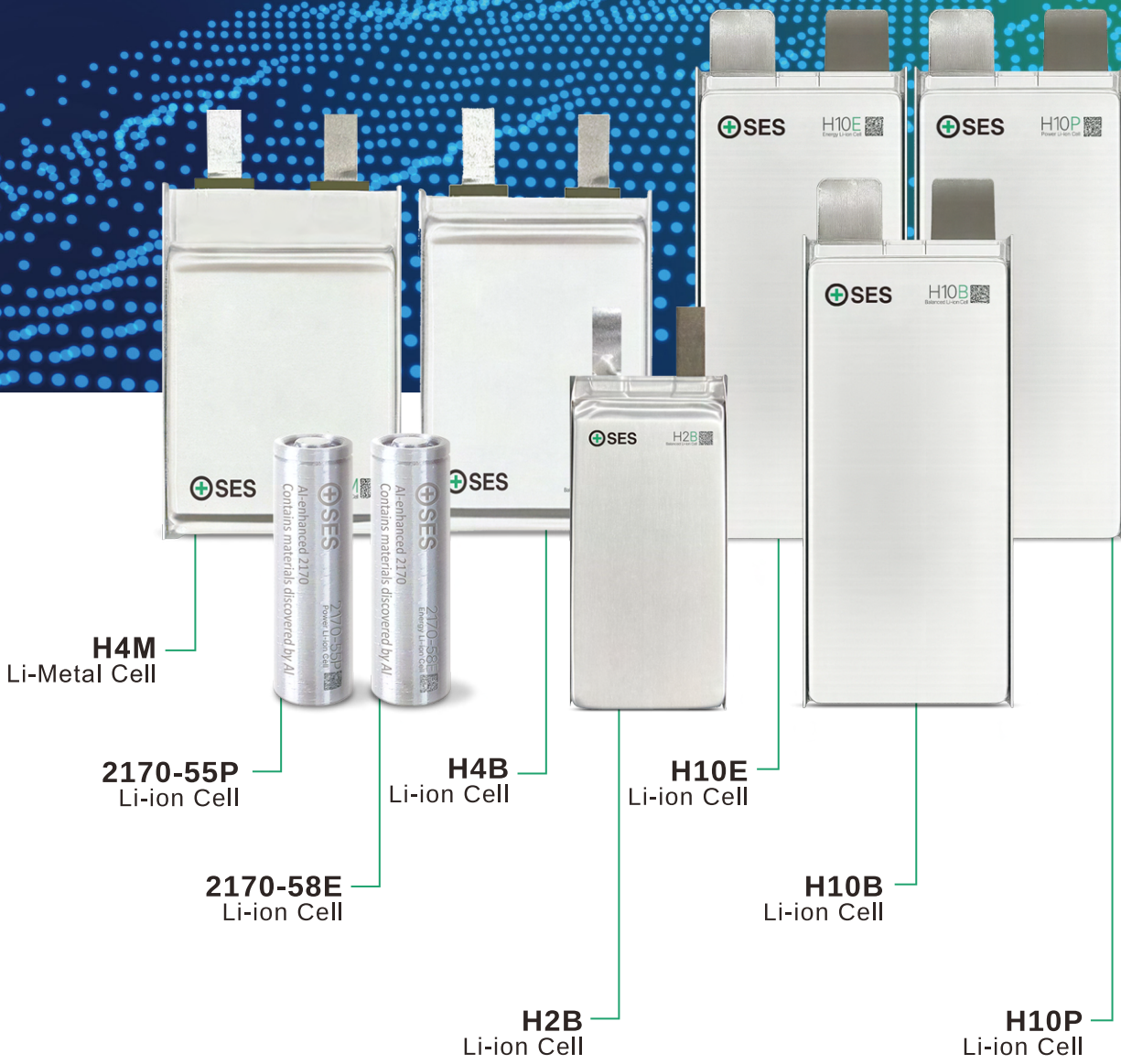


SES Boston HQ

AI-driven battery materials discovery and electrolyte development and US-based manufacturing



PRODUCT FAMILY



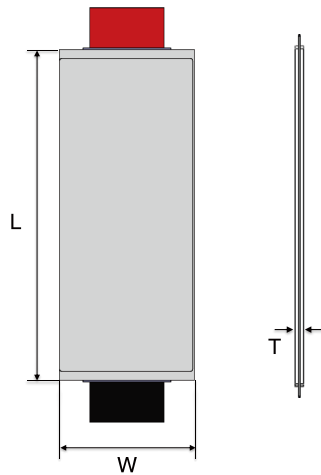


H30M
Li-Metal Cell

H30P
Li-ion Cell

M=metal **P**=power **E**=energy **B**=balanced

H30P Power Li-ion Cell



M=metal **P**=power **E**=energy **B**=balanced

SPECIFICATIONS

Capacity	Typical	31.5 Ah
Energy	Typical	107 Wh
Cell Voltage	Nominal	3.4 V
	Charge	4.25 V
	Discharge	2.5 V
Charge Rate	Typical	1C
	Maximum	3C
Discharge Rate	Maximum Continuous	3C
	Maximum Pulse @50% SoC, 25°C, 10s	10C
Temperature	Discharge	-20 to 60 °C
	Charge	0 to 45 °C
Internal Resistance	ACIR(1kHz @30% SOC)	≤ 1.5 mΩ
	DCIR (50%SOC, 3C/10s)	≤ 5 mΩ
Weight		300 ± 5 g
Packaging		Pouch
Chemistry		NMC/C+Si
Energy Density	Gravimetric@25°C, 100% DoD, C/5	360 Wh/kg
Cycle Life	+1C/-3C, 2.75-4.2V @25°C, 80% SoH	500
Certification		Designed for UN38.3

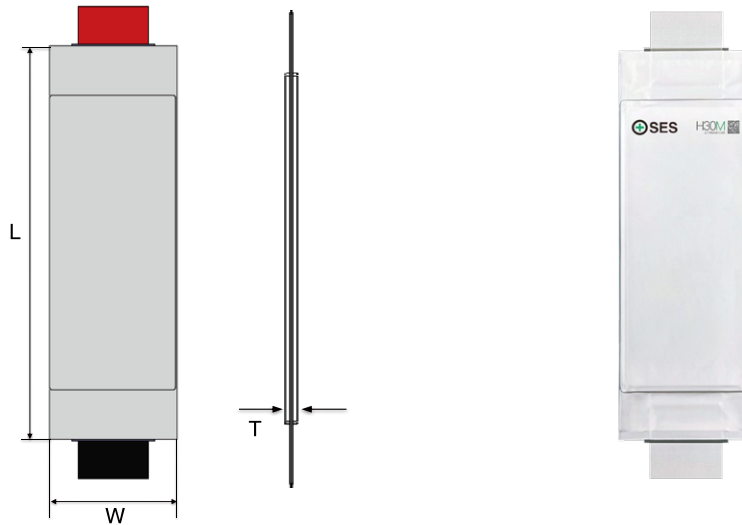
DIMENSIONS

Size	L	245 ± 1.0 mm
	W	100 ± 1.0 mm
	T (@30% SOC)	5.5 ± 0.5 mm

Boston, MA | Global HQ | partnership@ses.ai

©2026 SES AI Corp. | ses.ai | All information is subject to change without notice

H30M Li-Metal Cell



M = metal **P** = power **E** = energy **B** = balanced

SPECIFICATIONS

Capacity	Typical	31.5 Ah
Energy	Typical	120 Wh
Cell Voltage	Nominal	3.81 V
	Charge	4.3 V
	Discharge	2.5 V
Charge Rate	Typical	C/3
Discharge Rate	Maximum Continuous	5C
	Maximum Pulse @50% SoC, 25°C, 10s	10C
Temperature	Discharge	-20 to 60 °C
	Charge	0 to 45 °C
Internal Resistance	ACIR(1kHz @30% SOC)	≤ 1.2 mΩ
	DCIR (50%SOC, 3C/10s)	≤2 mΩ
Weight		312 ± 5 g
Packaging		Pouch
Chemistry		NMC/Li Metal
Energy Density	Gravimetric@25°C, 100% DoD, C/5	385 Wh/kg
Cycle Life	+C/3/UAM mission profile	>1200
	Up to 5C with 55%DoD @25°C, 80% SoH	
Certification		Designed for UN38.3

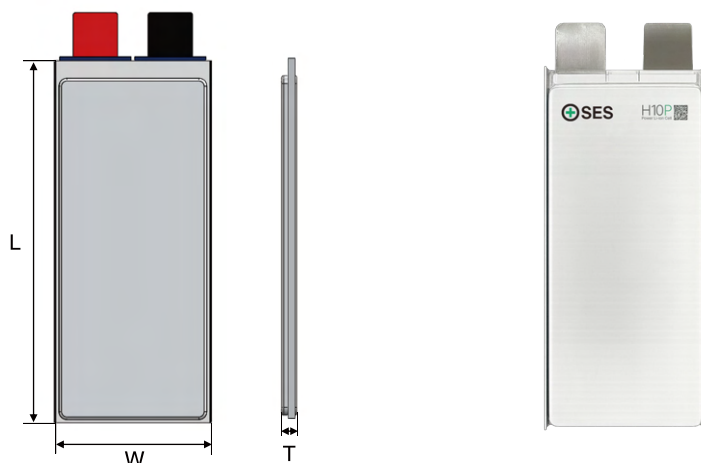
DIMENSIONS

Size	L	310 ± 1.0 mm
	W	100 ± 1.0 mm
	T (@30% SOC)	6.0 ± 0.5 mm

Boston, MA | Global HQ | partnership@ses.ai

©2026 SES AI Corp. | ses.ai | All information is subject to change without notice

H10P Power Li-ion Cell



M=metal **P**=power **E**=energy **B**=balanced

SPECIFICATIONS

Capacity	Typical	10.9 Ah
Energy	Typical	37.8 Wh
Cell Voltage	Nominal	3.47 V
	Charge	4.25 V
	Discharge	2.5 V
Charge Rate	Typical	1C
	Maximum	4C
Discharge Rate	Maximum Continuous	7C
	Maximum Pulse @50% SoC, 25°C, 30s	10C
Temperature	Discharge	-20 to 60 °C
	Charge	0 to 45 °C
Internal Resistance	ACIR(1kHz @30% SOC)	≤ 5 mΩ
	DCIR (50%SOC, 3C/10s)	≤ 10 mΩ
Weight		111 ± 2.0 g
Packaging		Pouch
Chemistry		NMC/C+Si
Energy Density	Gravimetric@25°C, 100%DoD	340 Wh/kg (C/5)
		310 Wh/kg (5C)
Cycle Life	+1C/-3C, 2.7-4.25V, 80% SOH, 0 PSI	800 @ 25°C
		600 @ 45°C
Certification		Designed for UN38.3

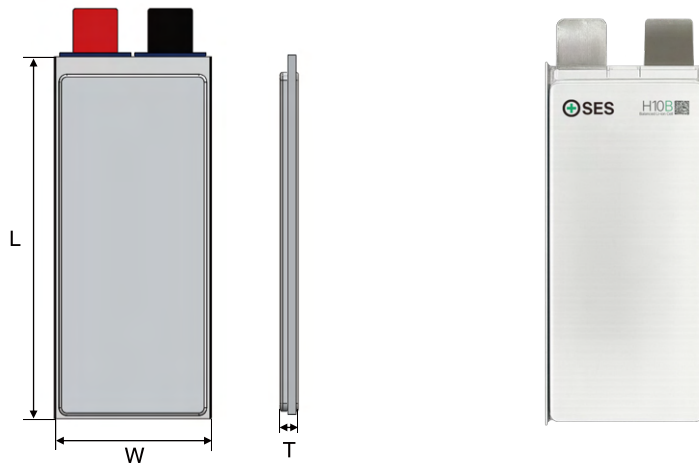
DIMENSIONS

Size	L	139 ± 1.0 mm
	W	59 ± 1.0 mm
	T (@30% SOC)	6.2 ± 0.3 mm

Boston, MA | Global HQ | partnership@ses.ai

©2026 SES AI Corp. | ses.ai | All information is subject to change without notice

H10B Balanced Li-ion Cell



M=metal **P**=power **E**=energy **B**=balanced

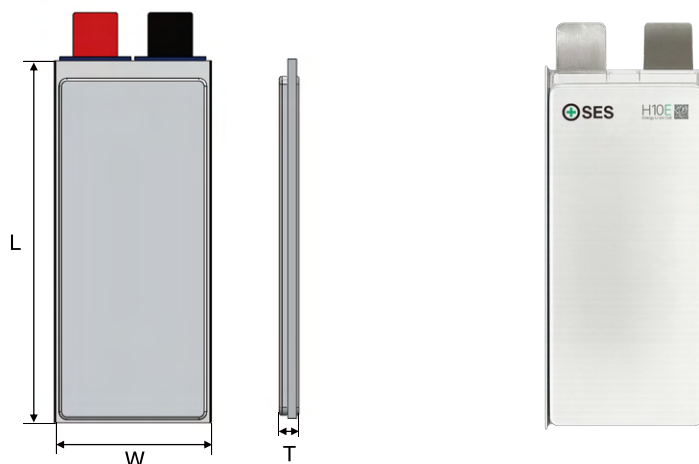
SPECIFICATIONS

Capacity	Typical	11.4 Ah
Energy	Typical	39.0 Wh
Cell Voltage	Nominal	3.4 V
	Charge	4.25 V
	Discharge	2.5 V
Charge Rate	Typical	1C
	Maximum	4C
Discharge Rate	Maximum Continuous	4C
	Maximum Pulse @50% SoC, 25°C, 30s	8C
Temperature	Discharge	-20 to 60 °C
	Charge	0 to 45 °C
Internal Resistance	ACIR(1kHz @30% SOC)	≤ 5 mΩ
	DCIR (50%SOC, 3C/10s)	≤ 10 mΩ
Weight		103 ± 2.0 g
Packaging		Pouch
Chemistry		NMC/C+Si
Energy Density	Gravimetric@25°C,100% DoD, C/5	380 Wh/kg
Cycle Life	+1C/-3C, 2.7-4.25V, 25°C, 80% SoH, 0 PSI	400
Certification		Designed for UN38.3

DIMENSIONS

Size	L	139 ± 1.0 mm
	W	59 ± 1.0 mm
	T (@30% SOC)	5.9 ± 0.3 mm

H10E Energy Li-ion Cell



M=metal **P**=power **E**=energy **B**=balanced

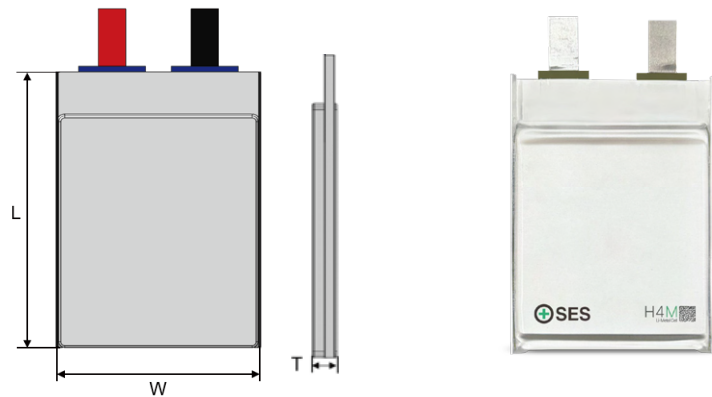
SPECIFICATIONS

Capacity	Typical	11.8 Ah
Energy	Typical	40.1 Wh
Cell Voltage	Nominal	3.4 V
	Charge	4.25 V
	Discharge	2.5 V
Charge Rate	Typical	1C
	Maximum	2C
Discharge Rate	Maximum Continuous	2C
	Maximum Pulse @50% SoC, 25°C, 30s	4C
Temperature	Discharge	-20 to 60 °C
	Charge	0 to 45 °C
Internal Resistance	ACIR(1kHz @30% SOC)	≤ 10 mΩ
	DCIR (50%SOC, 3C/10s)	≤ 20 mΩ
Weight		101.0 ± 2.0 g
Packaging		Pouch
Chemistry		NMC/C+Si
Energy Density	Gravimetric@25°C, 100% DoD, C/5	400 Wh/kg
Cycle Life	+1C/-1C, 2.5-4.25V, 25°C, 80% SoH, 0 PSI	400
Certification		Designed for UN38.3

DIMENSIONS

Size	L	139 ± 1.0 mm
	W	59 ± 1.0 mm
	T (@30% SOC)	5.8 ± 0.3 mm

H4M Li-Metal Cell



M = metal **P** = power **E** = energy **B** = balanced

SPECIFICATIONS

Capacity	Typical	4.2 Ah
Energy	Typical	16.0 Wh
Cell Voltage	Nominal	3.82 V
	Charge	4.3 V
	Discharge	2.5 V
Charge Rate	Typical	C/3
Discharge Rate	Maximum Continuous	7C
	Maximum Pulse @50% SoC, 25°C, 30s	15C
Temperature	Discharge	-30 to 60 °C
	Charge	0 to 45 °C
Internal Resistance	ACIR(1kHz @30% SOC)	≤ 6 mΩ
	DCIR (50%SOC, 1C/10s)	≤ 15 mΩ
Weight		43.0 ± 1.0 g
Packaging		Pouch
Chemistry		NMC/Li Metal
Energy Density	Gravimetric @25°C, 100% DoD, C/5	375 Wh/kg
Cycle Life	+C/3 /-C/3, 2.5-4.3V, 25°C,80% SoH, 150PSI	400
Certification		Designed for UN38.3

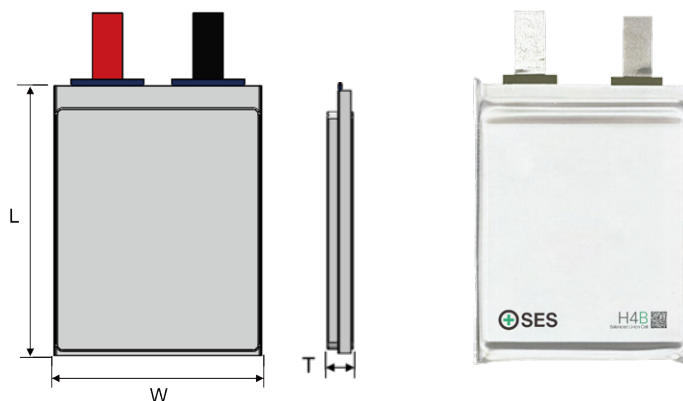
DIMENSIONS

Size	L	71.5 ± 1.0 mm
	W	48.5 ± 0.5 mm
	T (@30% SOC)	6.5 ± 0.2 mm

Boston, MA | Global HQ | partnership@ses.ai

©2026 SES AI Corp. | ses.ai | All information is subject to change without notice

H4B Balanced Li-ion Cell



M=metal **P**=power **E**=energy **B**=balanced

SPECIFICATIONS

Capacity	Typical	3.9 Ah
Energy	Typical	13.2 Wh
Cell Voltage	Nominal	3.4 V
	Charge	4.25 V
	Discharge	2.5 V
Charge Rate	Typical	1C
	Maximum	4C
Discharge Rate	Maximum Continuous	4C
	Maximum Pulse @50% SoC, 25°C, 30s	10C
Temperature	Discharge	-20 to 60 °C
	Charge	0 to 45 °C
Internal Resistance	ACIR(1kHz @30% SOC)	≤ 9 mΩ
	DCIR (50%SOC, 1C/10s)	≤ 20 mΩ
Weight		37.5 ± 1.0 g
Packaging		Pouch
Chemistry		NMC/C+Si
Energy Density	Gravimetric @25°C, 100% DoD, C/5	350 Wh/kg
Cycle Life	+1C/-3C, 2.7-4.25V, 25°C,80% SoH, 15PSI	500
Certification		Designed for UN38.3

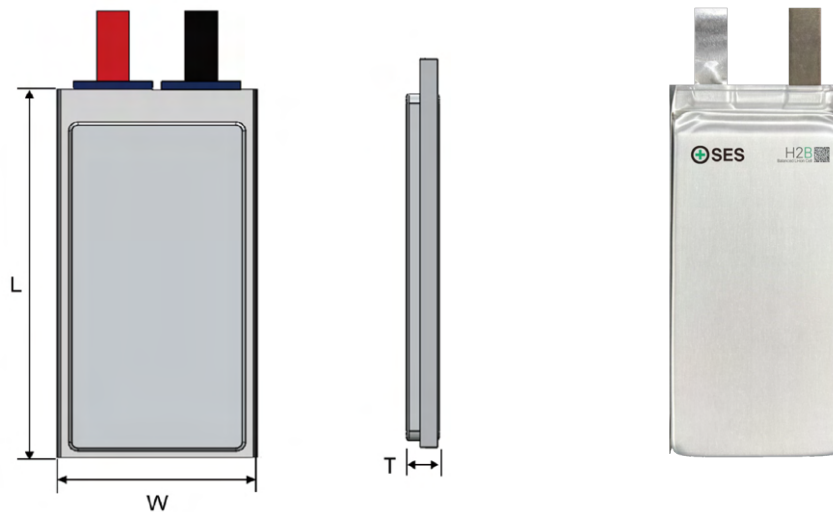
DIMENSIONS

Size	L	71.5 ± 1.0 mm
	W	48.5 ± 0.5 mm
	T (@30% SOC)	6.0 ± 0.2 mm

Boston, MA | Global HQ | partnership@ses.ai

©2026 SES AI Corp. | ses.ai | All information is subject to change without notice

H2B Balanced Li-ion Cell



M=metal **P**=power **E**=energy **B**=balanced

SPECIFICATIONS

Capacity	Typical	2.3 Ah
Energy	Typical	7.9 Wh
Cell Voltage	Nominal	3.45 V
	Charge	4.25 V
	Discharge	2.5 V
Charge Rate	Typical	1C
Discharge Rate	Maximum Continuous	3C
	Maximum Pulse @50% SoC, 25°C, 30s	5C
Temperature	Discharge	-20 to 60 °C
	Charge	0 to 45 °C
Internal Resistance	ACIR(1kHz @30% SOC)	≤10 mΩ
	DCIR (50%SOC, 1C/10s)	≤ 45 mΩ
Weight		22.5 ± 0.5 g
Packaging		Pouch
Chemistry		NMC/C+Si
Energy Density	Gravimetric @25°C, 100% DoD, C/5	350 Wh/kg
Cycle Life	+1C/-2C, 2.5-4.25V, 25°C, 80% SoH, 0PSI	600
Certification		Designed for UN38.3

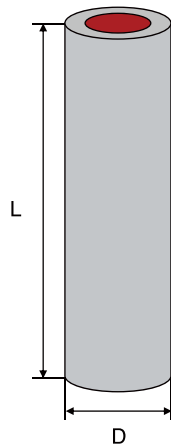
DIMENSIONS

Size	L	63 ± 1.0 mm
	W	30 ± 0.5 mm
	T (@30% SOC)	6.2 ± 0.2 mm

Boston, MA | Global HQ | partnership@ses.ai

©2026 SES AI Corp. | ses.ai | All information is subject to change without notice

2170-58E Energy Li-ion Cell



M=metal **P**=power **E**=energy **B**=balanced

SPECIFICATIONS

Capacity	Typical	5.8 Ah
Energy	Typical	20.5 Wh
Cell Voltage	Nominal	3.6 V
	Charge	4.2 V
	Discharge	2.5 V
Charge Rate	Typical	0.2C
	Maximum	1C
Discharge Rate	Maximum Continuous	1C
	Maximum Pulse @50% SoC, 25°C, 30s	3C
Temperature	Discharge	-20 to 60 °C
	Charge	0 to 50 °C
Internal Resistance	ACIR(1kHz @30% SOC)	≤ 20 mΩ
	DCIR (50%SOC, 1C/10s)	≤ 30 mΩ
Weight		70 ± 2.0 g
Chemistry		NMC/C+Si
Energy Density	Gravimetric @25°C, 100% DoD, C/5	295 Wh/kg
Cycle Life	+0.5C/-1C, 2.75-4.2V, 25°C, 80% SoH	>1200
	+0.5C/-1C, 2.75-4.2V, 45°C, 80% SoH	800
	+1C/-0.25C, 2.75-4.0V, 25°C, 80% SoH	1000
Certification		Designed for UN38.3

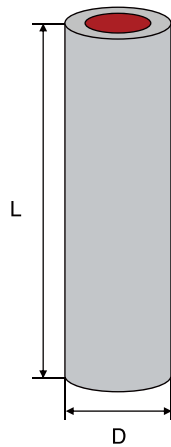
DIMENSIONS

Size	D	21.2 ± 0.2 mm
	L	70.5 ± 0.2 mm

Boston, MA | Global HQ | partnership@ses.ai

©2026 SES AI Corp. | ses.ai | All information is subject to change without notice

2170-55P Power Li-ion Cell



M = metal **P** = power **E** = energy **B** = balanced

SPECIFICATIONS

Capacity	Typical	5.5 Ah
Energy	Typical	19.6 Wh
Cell Voltage	Nominal	3.56 V
	Charge	4.2 V
	Discharge	2.5 V
Charge Rate	Typical	0.5C
	Maximum	2C
Discharge Rate	Maximum Continuous	3C
	Maximum Pulse @50% SoC, 25°C, 30s	8C
Temperature	Discharge	-20 to 60 °C
	Charge	0 to 45 °C
Internal Resistance	ACIR(1kHz @30% SOC)	≤ 15 mΩ
	DCIR (50%SOC, 1C/10s)	≤ 25 mΩ
Weight		70 ± 2.0 g
Chemistry		NMC/C+Si
Energy Density	Gravimetric @25°C, 100% DoD, C/5	280 Wh/kg
Cycle Life	+1C/-1C, 2.75-4.2V,25°C, 80% SoH	750
	+1C/-3C, 2.75-4.2V,25°C, 80% SoH	500
Certification		Designed for UN38.3

DIMENSIONS

Size	D	21.2 ± 0.2 mm
	L	70.5 ± 0.2 mm



ses.ai



@poweredbyses



@ses_ai



@ses AI

CONTACT US

35 Cabot Rd, Woburn, MA, 01801 | sales@ses.ai

Shana Tischler Head of Sales, Batteries

 shana.tischler@ses.ai

 +1 847-921-4965