Solid Power, Inc. (Nasdaq: SLDP)

Company Overview

May 2026

Disclaimer

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Solid Power

Quick Facts

Founded: 2011

Employees: ~230

Facilities:
- **SP1** – Louisville, Colorado, USA
- **SP2** – Thornton, Colorado, USA

Nasdaq: SLDP

Key Financial Statistics:
- Market capitalization – **$662M**[1]
- Revenue – **$15.3M**[2]
- Total liquidity – **$435.3M**[1]

Capabilities:
- **SP1** – Pilot cell production; cell R&D
- **SP2** – Pilot electrolyte production; electrolyte innovation center; cell test

Technology

Sulfide-based solid electrolyte, replacing liquid or gel electrolyte in traditional lithium-ion battery

Solid Power's electrolyte technology has the potential to **improve battery performance** through increased energy density, longer battery life, and better safety

Strong IP position:[3]
- **>20** issued US patents
- **~100** pending US patent applications
- **~110** non-US and PCT patents and applications
- Trade secrets and know-how

Commercialization

Commercialization strategy to **manufacture and sell electrolyte** to Tier 1 battery manufacturers and automotive original equipment manufacturers (OEMs) – **aim to work with, not compete**

Established **Korean presence** to better integrate into Asian battery ecosystem

Cell production lines using our technology on **three continents** in Colorado, Germany, and the Republic of Korea

Collaborate with **leading industry partners** including:

BMW, SAMSUNG SDI, SK on

Capital Position

Capital efficiencies expected from **focus on electrolyte** development and production rather than cell manufacturing and use of **wet process** method

Strong liquidity position bolstered by recent capital raises to support operations
- **$130M of gross proceeds** from registered direct offering in January 2026
- **$91.2M of gross proceeds** from at-the-market offering program in 2025

No debt financing, increasing financial stability

DOE **grant of up to $50M** to expand electrolyte production capabilities

1. As of March 31, 2026; 2. Twelve months ended March 31, 2026; 3. As of April 1, 2026

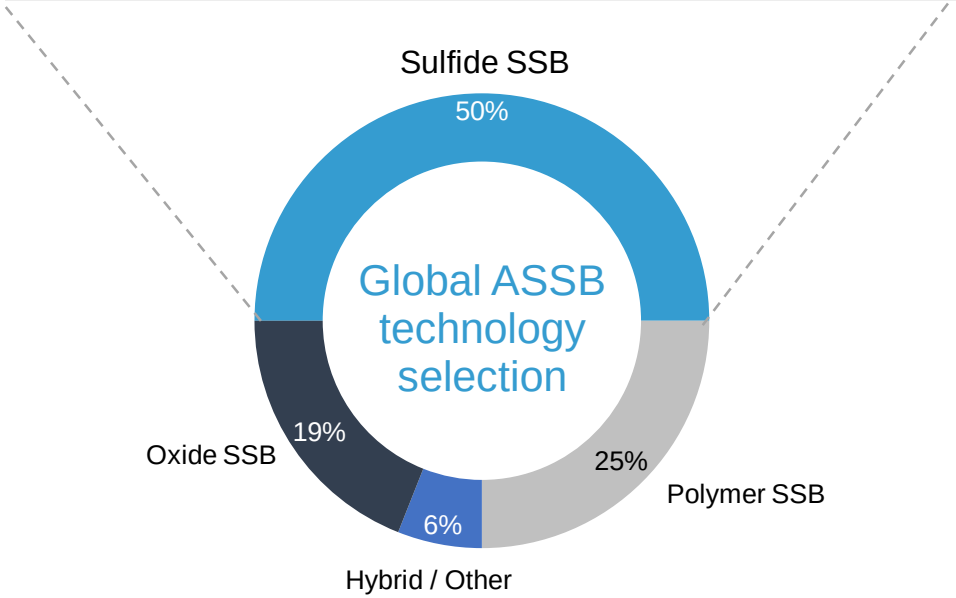
Solid Power – Sulfide-Based Chemistry Leader

Automotive OEMs and Tier 1 battery manufacturers are choosing sulfide-based chemistries for their solid-state programs, where Solid Power is a leading technology provider

Market tech choice – Sulfide ASSB

We believe sulfides offer the **best balance of performance and mass production attributes** for ASSB chemistries:

- **Highly manufacturable** at scale
- Superior **ionic conductivity**
- **Compatible with leading ASSB cell** configurations



Source: PEM | RWTH Aachen University

Value chain players pursuing sulfide chemistries

Materials suppliers	Cell manufacturers	Automotive OEMs
Solid Power	SK on	BMW
	SAMSUNG SDI	Ford
POSCO FUTURE M	LG Energy Solution	KIA
		HYUNDAI
MITSUI KINZOKU	Panasonic	HONDA
		NISSAN
LOTTE ENERGY MATERIALS	CATL	BYD
idemitsu		TOYOTA
EcoPro	Factorial	NIO
		Mercedes-Benz
		STELLANTIS

Source: Roland Berger internal research

Solid Power – Differentiation

Rapid innovation through integrated electrolyte and cell capabilities position Solid Power as an industry leader

Electrolyte Material

Solid Power's electrolyte technology has the potential to **enable a step-change improvement** in battery cell performance

We believe sulfide electrolytes provide the best-known balance of **conductivity** and **processability** out of all solid electrolyte classes

Currently **2** pilot electrolyte manufacturing lines with **capacity of 30MT** per year

Plan to grow capacity to 75MT per year by end of 2026 by installing **continuous manufacturing** pilot line

Feedback Loop

Cell Design to Electrolyte Development

Feedback from **cell development enables electrolyte performance improvements** and supports partners' cell programs

Electrolyte Innovation Center (EIC) designed to allow rapid changes to electrolyte chemistry and manufacturing processes, **accelerating electrolyte improvements with lower costs**

Cell Capabilities

Able to produce solid-state cells from **0.2 Ah to 60 Ah**

Solid Power cell technology **licensed by BMW and SK On** to enhance their battery cell manufacturing capabilities

Solid Power cell processes **developed around industry-standard** lithium-ion cell manufacturing **processes and equipment**

Solid Power – Sulfide Electrolyte Cost Drivers

Addressing the three main cost drivers

Production Scale	Capacity of **30 metric tons annually** from 2 pilot lines Expecting to scale capacity to **75 metric tons annually** by the end of 2026 Exploring **potential partnership** for commercial-scale electrolyte production in Korea
High-Throughput Process	Designing and installing **continuous production pilot line** Utilizing **wet process** method for electrolyte production Sets the stage for **mass production** as demand matures
Li_2S Precursor Cost	Li_2S supply expected to keep up with **electrolyte demand** prior to **mass commercialization*** Li_2S conventionally produced by reacting battery-grade LiOH with high-purity H_2S gas Developing **alternative production routes for Li2S**

*Solid Power projections

Solid Power – Wet Process Method

Wet processing offers key advantages for commercial sulfide electrolyte production

	Wet Process (Solid Power)	Dry Process (Others)
Process	Seamless closed process designed to **optimize** each stage of production	**Separate process steps** require additional dry room capacity
Scalability	Process accommodates **larger equipment**, enhancing scalability and reducing capital requirements	Smaller equipment is needed to maintain quality, driving **larger footprint** and **increased capital requirements**
Yield	High-yield processing enables **efficient production**	Within-batch **variability** limits yield and efficiency
Dry Room Requirement	Limited dry room scope **reduces cost** and **energy demands**	More extensive dry room infrastructure **increases cost** and **energy demands**

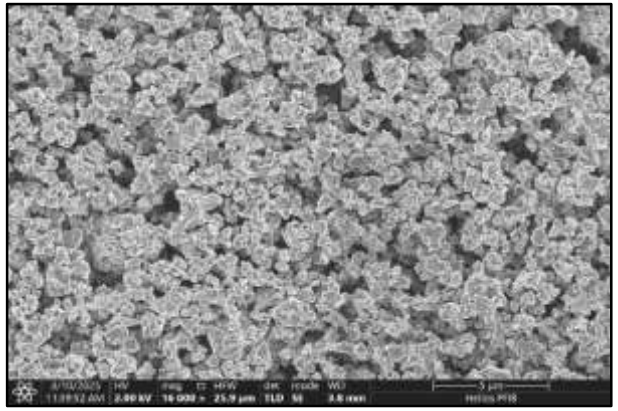
We believe our **wet process method** offers **significant capital savings** compared to dry processing

Solid Power – Solid-State Electrolyte Products

Powder metrics designed for cell performance

LiPSCl Argyrodite powders designed for cell-level performance

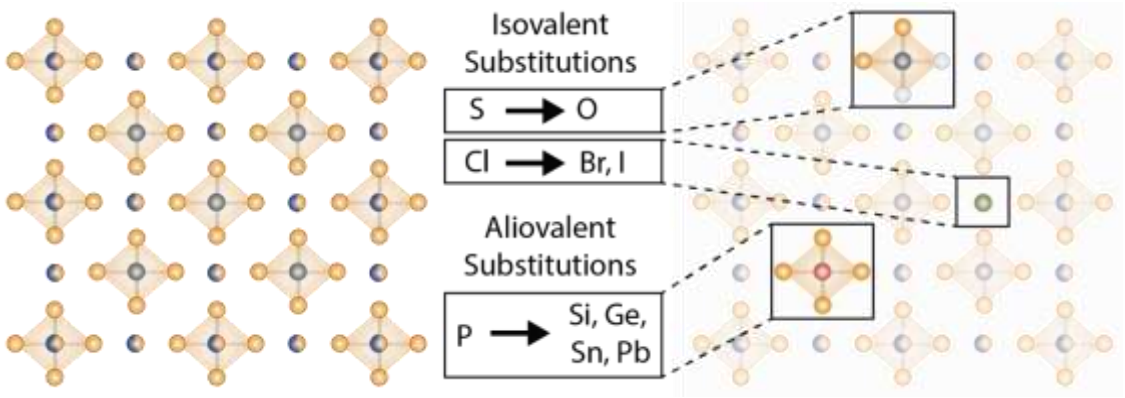
Metric	Gen 1	Gen 2	Gen 3
Li ion Conductivity @ 25 C (mS/cm)	>1.5	>3.25	>5.0
Electronic Conductivity (S/cm)	<1.0E-8	<1.0E-8	< 1.0E-8
Pellet Density (g/cm3)	>1.35	>1.40	>1.40
Surface Area (m2/g)	< 15	< 15	< 15
Particle Size (um) - D50*	1.0um - 3.0um	1.0um - 3.0um	1.0um - 3.0um
Particle Size (um) - D90	<10	<10	<10



Solid Power – Modeling to Accelerate R&D

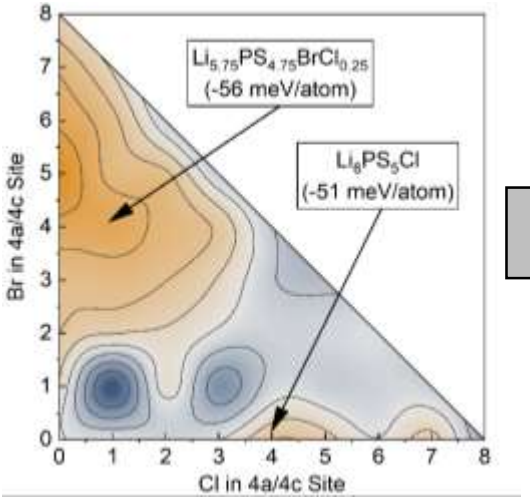
Leveraging the power of modeling to drive electrolyte R&D

For each electrolyte composition that has been synthesized…

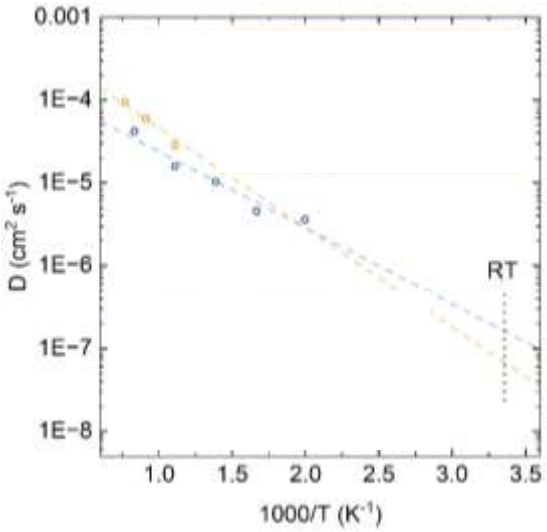


… there are 10,000+ possible substitution combinations.

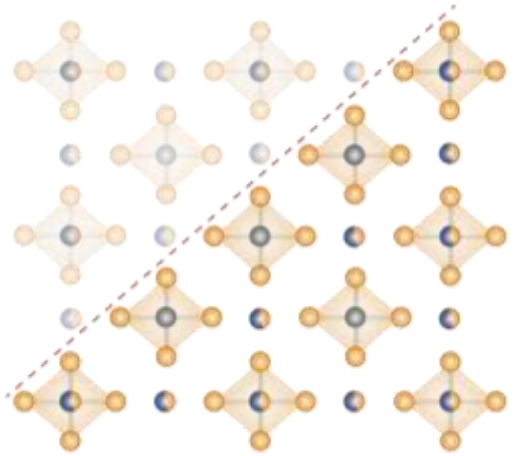
Is it thermodynamically stable?



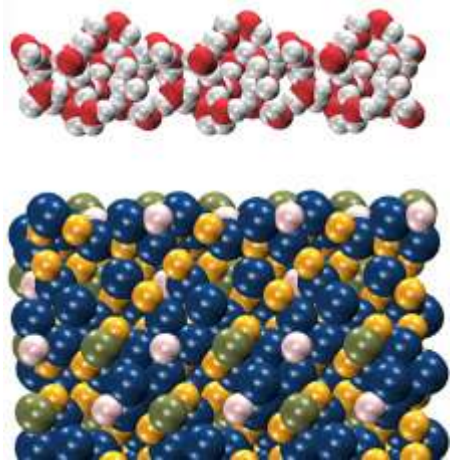
Does it conduct Li^+ ions?



What surface(s) will be exposed?



Will the exposed surface(s) react?



Solid Power – Executive Leadership Team

Deep technical, strategic, and public company experience

JOHN VAN SCOTER

Chief Executive Officer, President, and Director

- Extensive C-level technology and public board experience
- Successful track record developing and commercializing technologies

JOSH BUETTNER-GARRETT

Chief Technology Officer

- Deep experience and thought leader in energy storage and battery R&D
- 12+ years at Solid Power

ANDREAS MAIER, PH.D.

Country Manager, Solid Power Korea Co., Ltd.

- 17+ years of experience in the European and Korean battery industries
- Experience driving business development initiatives to align operational capabilities with strategic goals

LINDA HELLER

Chief Financial Officer, Treasurer, and Secretary

- 30+ years of financial leadership experience
- Broad public company experience across multiple industries

LAUREN MCCABE

EVP, Product Development and Delivery

- 20+ years of leadership experience in Fortune 50, private sector, and U.S. Navy
- Experience overseeing enterprise execution, business transformation, and operational strategy across global functions

BERISLAV BLIZANAC, PH.D.

EVP, Strategic Technical Advisor

- 20+ years of experience in electromechanical conversion devices, materials science, and commercial technology development
- 10+ years of experience developing Li-ion cells