



Solid Power, Inc. (Nasdaq: SLDP)

[Company Overview](#)

March 2025

Disclaimer

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All statements other than statements of present or historical fact contained herein are “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, including Solid Power’s or its management team’s expectations, objectives, beliefs, intentions or strategies regarding the future. When used herein, the words “could,” “should,” “will,” “may,” “believe,” “anticipate,” “intend,” “estimate,” “expect,” “project,” “plan,” “outlook,” “seek,” the negative of such terms, and other similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain such identifying words. These statements may include, but are not limited to, our financial guidance for 2025; our future financial performance, strategy, expansion plans, including plans related to the expansion of our electrolyte production capabilities, market opportunity, operations, and operating results; estimated revenues or losses; projected costs; future prospects; and plans and objectives of management. These forward-looking statements are based on management’s current expectations and assumptions about future events and are based on currently available information as to the outcome and timing of future events. Except as otherwise required by applicable law, Solid Power disclaims any duty to update any forward-looking statements, all of which are expressly qualified by the statements in this section, to reflect events or circumstances after the date hereof. Readers are cautioned not to put undue reliance on forward-looking statements and Solid Power cautions you that these forward-looking statements are subject to numerous risks and uncertainties, most of which are difficult to predict and many of which are beyond the control of Solid Power, including the following factors: (i) risks relating to the uncertainty of the success of our research and development efforts, including our ability to achieve the technological objectives or results that our partners require and our ability to commercialize our technology in advance of competing technologies and our competitors; (ii) risks relating to our status as a research and development stage company with a history of financial losses with an expectation of incurring significant expenses and continuing losses for the foreseeable future, including execution of our business plan and the timing of expected business milestones; (iii) risks relating to the non-exclusive nature of our partnerships, our ability to secure new business relationships, and our ability to manage these relationships; (iv) our ability to negotiate and execute commercial agreements with our partners and customers on commercially reasonable terms; (v) broad market adoption of EVs and other technologies where we are able to deploy our technology, if developed successfully; (vi) our success attracting and retaining our executive officers, key employees, and other qualified personnel; (vii) our ability to protect and maintain our intellectual property, including in jurisdictions outside of the United States; (viii) our ability to secure government contracts and grants, changes in government priorities with respect to our government contracts and grants, and the availability of government subsidies and economic incentives; (ix) delays in the construction and operation of facilities that meet our short-term research and development and long-term electrolyte production requirements; (x) changes in applicable laws or regulations; (xi) risks relating to our information technology infrastructure and data security breaches; and (xii) risks relating to other economic, business, or competitive factors in the United States and other jurisdictions, including supply chain interruptions and changes in market conditions, and our ability to manage these risks and uncertainties. Additional information concerning these and other factors that may impact the operations and projections discussed herein can be found in the “Risk Factors” sections of Solid Power’s Annual Report on Form 10-K for the year ended December 31, 2024 and other documents filed by Solid Power from time to time with the Securities and Exchange Commission (the “SEC”), all of which are available on the SEC’s website at www.sec.gov. These filings identify and address other important risks and uncertainties that could cause actual events and results to differ materially from those contained in the forward-looking statements. Solid Power gives no assurance that it will achieve its expectations.

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Quick Facts

Founded: 2011

Employees: ~ 260

Facilities:

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

Nasdaq: SLDP

Key Financial Statistics:

- Market capitalization – **\$209.3M**¹
- Revenue – **\$20.1M**²
- Total Liquidity – **\$327.5M**²

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

- **21** issued US patents
- **91** pending US patent applications
- **115** 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

Collaborate with **leading industry partners** including:



Capital Position

Capital light model – electrolyte development and production expected to have significantly lower capital requirements than cell manufacturing

Strong liquidity position to support operations

No debt financing, increasing financial stability

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

1. As of March 17, 2025; 2. Year ended December 31, 2024; 3. As of February 1, 2025

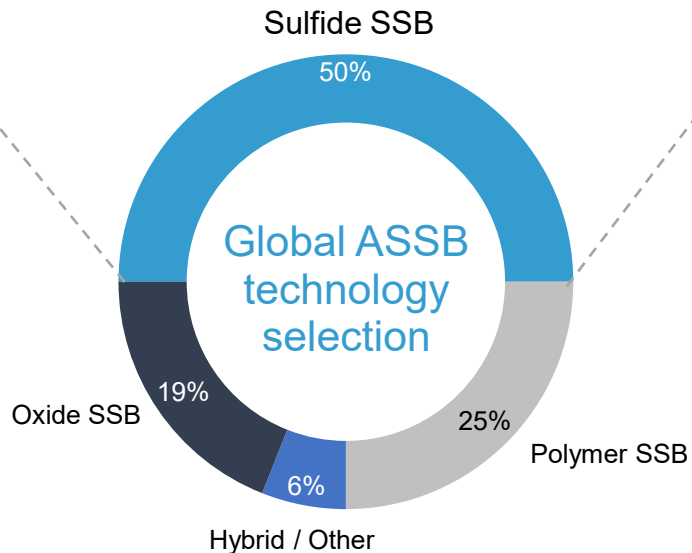
Solid Power – Sulfide-Based Chemistry Leader

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**



Value chain players pursuing sulfide chemistries

Materials suppliers

Solid Power

POSCO
FUTURE M

MITSUI
KINZOKU

LOTTE
ENERGY MATERIALS

idemitsu

EcoPro

Cell manufacturers

SK on

SAMSUNG
SAMSUNG SDI

LG Energy Solution

Panasonic

CATL

Factorial

Automotive OEMs

BMW

Ford

KIA

HYUNDAI

HONDA

NISSAN

BYD

TOYOTA

NIO

Mercedes-Benz

STELLANTIS

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**



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

Cell Capabilities

Solid Power – Executive and Senior Leadership Team

Deep technical, chemistry, engineering, supply chain, and public company experience



JOHN VAN SCOTER

Chief Executive Officer, President, Board Member

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



LINDA HELLER

Chief Financial Officer and Treasurer

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



JOSH BUETTNER-GARRETT

Chief Technology Officer

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



JAMES LIEBSCHER

Chief Legal Officer and Secretary

- 13+ years experience in SEC compliance, M&A, and corporate governance
- Private practice and in-house background



HYUNGRAK KIM, PH.D.

EVP Powder Production, Electrolyte Technologies

- 25+ years in energy materials industry, in both development and manufacturing
- Experience in Li-ion battery electrolytes R&D and anode materials



BERISLAV BLIZANAC, PH.D.

EVP Cell Technologies

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



RAMELLE GILLILAND

EVP Strategic Supply Chain Management

- 20+ years experience years in automotive manufacturing and advanced battery technologies
- Experience in global procurement, supply chain management, and organizational development