VOTE ON INTERNET
Go to http://www.vstocktransfer.com/proxy
Click on Proxy Voter Login and log-on using the below control number. Voting will be open until 11:59 p.m. Eastern Time on December 14, 2025.

CONTROL #

VOTE BY EMAIL
Mark, sign and date your proxy card and return it to vote@vstocktransfer.com

VOTE BY MAIL
Mark, sign and date your proxy card and return it in the envelope we have provided.

VOTE IN PERSON
If you would like to vote in person please attend the Annual Meeting to be held at 10:00 a.m., local time, on Monday, December 15, 2025 at our corporate headquarters at 249 E. Gardena Boulevard, Gardena, California 90248.

* SPECIMEN *
1 MAIN STREET
ANYWHERE PA 99999-9999

Please Vote, Sign, Date and Return Promptly in the Enclosed Envelope.

2025 Annual Meeting of Stockholders Proxy Card - Polar Power, Inc.

▼ DETACH PROXY CARD HERE TO VOTE BY MAIL ▼

The Board of Directors recommends a vote "FOR" all of the Director Nominees, every "TWO YEARS" on the advisory vote on executive compensation and "FOR" all other listed proposals.

1. Election of Directors

☐ FOR ALL NOMINEES LISTED BELOW (except as marked to the contrary below) ☐ WITHHOLD AUTHORITY TO VOTE FOR ALL NOMINEES LISTED BELOW

INSTRUCTION: TO WITHHOLD AUTHORITY TO VOTE FOR ONE OR MORE INDIVIDUAL NOMINEES STRIKE A LINE THROUGH THE NOMINEES' NAMES BELOW:

01 Arthur D. Sams 02 Keith Albrecht 03 Michael G. Field 04 Katherine Koster

2. To ratify the appointment of Weinberg & Company, P.A. as our independent registered public accounting firm for the year ending December 31, 2025.

☐ FOR ☐ AGAINST ☐ ABSTAIN

3. To approve the Polar Power, Inc. 2026 Equity Incentive Plan.

☐ FOR ☐ AGAINST ☐ ABSTAIN

4. To approve, on an advisory basis, the compensation paid to our named executive officers (the "Say on Pay Proposal").

☐ FOR ☐ AGAINST ☐ ABSTAIN

5. To approve, on an advisory basis, the frequency of the non-binding advisory vote on executive compensation (the "Say on Pay Frequency Proposal").

☐ THREE YEARS ☐ TWO YEARS ☐ ONE YEAR ☐ ABSTAIN

6. To approve a proposal to grant discretionary authority to the Chairman of the Annual Meeting to adjourn the Annual Meeting, if necessary, to solicit additional proxies in the event that there are not sufficient votes at the time of the Annual Meeting to approve Proposal 3.

☐ FOR ☐ AGAINST ☐ ABSTAIN

Note: To transact such other business as may properly come before the Annual Meeting or any adjournment(s) or postponement(s) thereof.

Date ______________________ **Signature** ______________________ **Signature, if held jointly** ______________________

Note: This proxy must be signed exactly as the name appears hereon. When shares are held jointly, each holder should sign. When signing as executor, administrator, attorney, trustee or guardian, please give full title as such. If the signer is a corporation, please sign full corporate name by a duly authorized officer, giving full title as such. If signer is a partnership, please sign in partnership name by an authorized person.

To change the address on your account, please check the box at right and indicate your new address. ☐

* SPECIMEN * AC:ACCT9999 90.00

POLAR POWER, INC.

Annual Meeting of Stockholders
December 15, 2025

▼ DETACH PROXY CARD HERE TO VOTE BY MAIL ▼

THIS PROXY IS SOLICITED ON BEHALF OF THE BOARD OF DIRECTORS

The undersigned stockholder of Polar Power, Inc. (the "Company") hereby constitutes and appoints Arthur D. Sams and Luis Zavala, and each of them, with the power to appoint their substitute(s), as attorney and proxy to appear, attend and vote all of the shares of common stock of the Company standing in the name of the undersigned on the record date at the 2025 annual meeting of stockholders of the Company to be held at 10:00 a.m., local time, on Monday, December 15, 2025 at our corporate headquarters at 249 E. Gardena Boulevard, Gardena, California 90248.

THIS PROXY, WHEN PROPERLY EXECUTED, WILL BE VOTED IN THE MANNER DIRECTED BY THE UNDERSIGNED STOCKHOLDER. IF NO DIRECTION IS MADE, THIS PROXY WILL BE VOTED "FOR" EACH OF THE NOMINEES LISTED ABOVE, EVERY "TWO YEARS" ON THE ADVISORY VOTE ON EXECUTIVE COMPENSATION, AND "FOR" ALL OTHER PROPOSALS INDICATED AND IN ACCORDANCE WITH THE DISCRETION OF THE PROXY HOLDER ON ANY OTHER BUSINESS. ALL OTHER PROXIES HERETOFORE GIVEN BY THE UNDERSIGNED IN CONNECTION WITH THE ACTIONS PROPOSED ON THIS PROXY CARD ARE HEREBY EXPRESSLY REVOKED. THIS PROXY MAY BE REVOKED AT ANY TIME BEFORE IT IS VOTED BY WRITTEN NOTICE TO THE SECRETARY OF THE COMPANY, BY ISSUANCE OF A SUBSEQUENT PROXY OR BY VOTING IN PERSON AT THE ANNUAL MEETING.

Please check here if you plan to attend the annual meeting of stockholders on December 15, 2025 at 10:00 a.m. Local Time. ☐

Electronic Delivery of Future Proxy Materials: If you would like to reduce the costs incurred by Polar Power, Inc. in mailing materials, you can consent to receiving all future proxy statements, proxy cards and annual reports electronically via email or the internet. To sign up for electronic delivery, please vote online and once your vote is cast you will have the option to enter your email information, or if submitting via Mail please provide your email address below and check here to indicate you consent to receive or access proxy materials electronically in future mailings for this issuer:

Email Address:____ ☐

PLEASE INDICATE YOUR VOTE ON THE REVERSE SIDE
(Continued and to be signed on Reverse Side)