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As filed with the Securities and Exchange Commission on December 6, 2018.  
Registration No. 333-191712

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

**Post-Effective Amendment No. 1 to  
FORM S-8**

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

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**Power Solutions International, Inc.**

(Exact name of registrant as specified in its charter)

**Delaware**

(State or other jurisdiction of incorporation or organization)

**33-0963637**

(I.R.S. Employer Identification No.)

**201 Mittel Drive  
Wood Dale, IL**

(Address of principal executive offices)

**60191**

(Zip Code)

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**Power Great Lakes, Inc. Employees 401(K) Profit Sharing Plan**

(Full title of the plan)

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**John P. Miller**

**Chief Executive Officer and President  
Power Solutions International, Inc.**

**201 Mittel Drive, Wood Dale, IL 60191**

(Name and address of agent for service)

**(630) 350-9400**

(Telephone number, including area code, of agent for service)

*With a copy to:*

**Michael L. Zuppone, Esq.  
Paul Hastings LLP  
200 Park Avenue  
New York, NY 10166  
(212) 318-6000**

Indicate by check mark whether the Registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer

Accelerated filer

Non-accelerated filer

(Do not check if a smaller reporting company)

Smaller reporting company

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

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**EXPLANATORY NOTE**  
**DEREGISTRATION OF SECURITIES**

Power Solutions International, Inc. (the “Company”), is filing this Post-Effective Amendment to Registration Statement on Form S-8 to deregister certain securities originally registered by the Company on its Registration Statement on Form S-8 filed with the Securities and Exchange Commission on October 15, 2013 (File No. 333-191712) (the “Prior Registration Statement”), which registered shares of the Company’s common stock, par value \$0.001 per share (“common stock”), for offer and sale pursuant to the Power Great Lakes, Inc. Employees 401(K) Profit Sharing Plan (the “Plan”) as well as an indeterminate amount of plan interests to be offered or sold pursuant to the Plan.

Effective as of October 30, 2018, the Plan ceased offering shares of common stock as an investment option. As a result, and in accordance with undertakings made by the Company in the Prior Registration Statement to remove from registration, by means of a post-effective amendment, any of the securities that remain unsold at the termination of the offering, the Company hereby removes from registration 70,000 shares of common stock and all interests in the Plan that had been registered under the Prior Registration Statement but that remain unissued as of the date hereof.

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