

PIONEER POWER SOLUTIONS, INC.
Form POS AM
April 25, 2014

Registration No. 333-164504

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

POST-EFFECTIVE AMENDMENT NO. 5
TO FORM S-1 ON FORM S-3

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

PIONEER POWER SOLUTIONS, INC.

(Exact name of registrant as specified in its charter)

Delaware 27-1347616
(State or other jurisdiction of (I.R.S. Employer Identification No.)
incorporation or organization)

400 Kelby Street, 9th Floor

Fort Lee, New Jersey 07024

(212) 867-0700

(Address, including zip code, and telephone number, including area code, of Registrant's principal executive offices)

Nathan Mazurek

Chairman and Chief Executive Officer

400 Kelby Street, 9th Floor

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Fort Lee, New Jersey 07024

(212) 867-0700

(Name, address, including zip code, and
telephone number, including area code, of
agent for service)

Copies of all communications, including communications sent to agent for service, should be sent to:

Rick A. Werner, Esq.

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30 Rockefeller Plaza, 26th Floor

New York, New York 10112

Tel. (212) 659-7300

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Approximate date of commencement of proposed sale to the public: From time to time after this Registration Statement becomes effective.

If the only securities being registered on this form are being offered pursuant to dividend or interest reinvestment plans, please check the following box:

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box:

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a registration statement filed pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

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

Large accelerated filer Accelerated filer Non-accelerated filer Smaller reporting company

EXPLANATORY NOTE

This Post-Effective Amendment No. 5 to Form S-1 on Form S-3 is being filed to update our registration statement on Form S-1 (File No. 333-164504) to, among other things, (i) convert the registration statement on Form S-1 into a registration statement on Form S-3, (ii) include the information contained in the Company’s Annual Report on Form 10-K for the fiscal year ended December 31, 2013, filed on March 14, 2014 and incorporate by reference future filings made with the Securities Exchange Commission, and (iii) make certain other updating revisions to the information contained in the registration statement.

All filing fees payable in connection with the registration of the securities that are subject to this registration statement were previously paid in connection with the filing of the applicable registration statement on Form S-1.

The information in this prospectus is not complete and may be changed. The selling stockholders may not sell these securities until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and it is not soliciting an offer to buy these securities in any state where the offer or sale is not permitted.

SUBJECT TO COMPLETION, DATED APRIL 25, 2014

Pioneer Power Solutions, Inc.

1,400,000 Shares of Common Stock

This prospectus relates to the resale by the selling stockholders identified in this prospectus of up to 1,400,000 shares of our common stock, which includes:

- 1,000,000 shares of common stock issued in a private placement;
- 200,000 shares of common stock initially issuable upon the exercise of an outstanding warrant to purchase shares of common stock at an exercise price of \$10.00 per share; and
- 200,000 shares of common stock initially issuable upon the exercise of an outstanding warrant to purchase shares of common stock at an exercise price of \$16.25 per share.

The selling stockholders may sell shares of common stock from time to time in the principal market on which our common stock is traded at the prevailing market price or in privately negotiated transactions. See “Plan of Distribution” which begins on page 8.

We will not receive any proceeds from the sale of these shares by the selling stockholders. However, we will receive the exercise price of the warrants if the warrants are exercised for cash. All expenses of registration incurred in connection with this offering are being borne by us, but all selling and other expenses incurred by the selling stockholders will be borne by the selling stockholders.

Our common stock is listed on the Nasdaq Capital Market under the symbol "PPSI." On April 24, 2014, the last reported sale price of our common stock as reported on the Nasdaq Capital Market was \$9.50 per share.

We may amend or supplement this prospectus from time to time by filing amendments or supplements as required. You should read the entire prospectus, the information incorporated by reference herein and any amendments or supplements carefully before you make your investment decision.

Investing in our common stock is highly speculative and involves a high degree of risk. You should carefully consider the risks and uncertainties in the section entitled "Risk Factors" beginning on page 4 of this prospectus before making a decision to purchase our stock.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this prospectus. Any representation to the contrary is a criminal offense.

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ABOUT THIS PROSPECTUS

You should rely only on the information contained in this prospectus or incorporated by reference in this prospectus and in any applicable prospectus supplement. Neither we nor the selling stockholders have authorized anyone to provide you with different information. We and the selling stockholders take no responsibility for, and can provide no assurance as to the reliability of, any other information that others may give you. The information contained in this prospectus, any applicable prospectus supplement and the documents incorporated by reference herein or therein are accurate only as of the date such information is presented. Our business, financial condition, results of operations and prospects may have changed since that date. You should also read this prospectus together with the additional information described under the headings “Incorporation of Certain Information by Reference” and “Where You Can Find More Information.” This prospectus may be supplemented from time to time to add, update or change information in this prospectus. Any statement contained in this prospectus will be deemed to be modified or superseded for purposes of this prospectus to the extent that a statement contained in such prospectus supplement modifies or supersedes such statement. Any statement so modified will be deemed to constitute a part of this prospectus only as so modified, and any statement so superseded will be deemed not to constitute a part of this prospectus.

The selling stockholders are offering the common stock only in jurisdictions where such issuances are permitted. The distribution of this prospectus and the issuance of the common stock in certain jurisdictions may be restricted by law. Persons outside the United States who come into possession of this prospectus must inform themselves about, and observe any restrictions relating to, the issuance of the common stock and the distribution of this prospectus outside the United States. This prospectus does not constitute, and may not be used in connection with, an offer to sell, or a solicitation of an offer to buy, the common stock offered by this prospectus by any person in any jurisdiction in which it is unlawful for such person to make such an offer or solicitation.

The registration statement containing this prospectus, including the exhibits to the registration statement, provides additional information about us and the securities offered under this prospectus. The registration statement, including the exhibits, can be read on the Securities and Exchange Commission’s website or at the Securities and Exchange Commission’s offices mentioned under the heading “Where You Can Find More Information.”

PROSPECTUS SUMMARY

This summary provides an overview of selected information contained elsewhere or incorporated by reference in this prospectus and does not contain all of the information you should consider before investing in our common stock. You should carefully read the prospectus, the information incorporated by reference and the registration statement of which this prospectus is a part in their entirety before investing in our common stock, including the information discussed under “Risk Factors” in this prospectus and the documents incorporated by reference and our financial statements and notes thereto that are incorporated by reference in this prospectus. As used in this prospectus, unless the context otherwise indicates, the terms “we,” “our,” “us,” or “the Company” refer to Pioneer Power Solutions, Inc., and, where appropriate, its consolidated subsidiaries.

Overview

We manufacture specialty electrical transmission and distribution equipment and provide a broad range of custom-engineered and general purpose solutions for applications in the utility, industrial and commercial markets. We are headquartered in Fort Lee, New Jersey and operate from eight additional locations in the U.S., Canada and Mexico for manufacturing, centralized distribution, engineering, sales and administration.

Our largest customers, which include a number of recognized national and regional utilities, industrial companies and engineering, procurement and construction firms, are located in North America. In addition, we sell our products through hundreds of electrical distributors served by our network of stocking locations throughout the U.S. and Canada. We intend to grow our business, both through acquisitions and internal product development, by increasing the scope of highly-engineered solutions we offer our customers for their specific electrical applications.

Corporate History

We were originally formed in the State of Nevada in 2008. On November 30, 2009, we merged with and into Pioneer Power Solutions, Inc., a Delaware corporation, for the sole purpose of changing our state of incorporation from Nevada to Delaware and changing our name to “Pioneer Power Solutions, Inc.” On September 24, 2013, we completed an underwritten public offering and our common stock began trading on the Nasdaq Capital Market under the symbol PPSI.

Our principal executive offices are located at 400 Kelby Street, 9th Floor, Fort Lee, New Jersey, 07024. Our telephone number is (212) 867-0700. Our website address is <http://www.pioneerpowersolutions.com>. Information on or accessed through our website is not incorporated into this prospectus and is not a part of this prospectus.

The Offering

Common stock offered by the selling stockholders: 1,400,000 shares, consisting of 1,000,000 shares issued to investors in a private placement, 200,000 shares issuable upon the exercise of a warrant issued to Provident Pioneer Partners, L.P. in connection with a share exchange agreement and 200,000 shares issuable upon the exercise of a warrant sold to an investor.

Common stock outstanding prior to the offering: 7,172,255

Common stock outstanding after this offering: 7,572,255

Use of proceeds: We will not receive any proceeds from the sale of shares in this offering by the selling stockholders. However, we will receive proceeds from the exercise of the warrants if the warrants are exercised for cash. We intend to use those proceeds, if any, for general corporate purposes.

Offering price: All or part of the shares of common stock offered hereby may be sold from time to time in amounts and on terms to be determined by the selling stockholders at the time of sale.

Nasdaq Capital Market

Symbol: PPSI

Risk factors: You should carefully consider the information set forth and incorporated by reference in this prospectus and, in particular, the specific factors set forth in the "Risk Factors" section beginning on page 4 of this prospectus before deciding whether or not to invest in shares of our common stock.

The number of outstanding shares of common stock after the offering is based upon 7,172,255 shares outstanding as of April 25, 2014 and assumes the full exercise of all warrants with respect to which the underlying shares are being registered pursuant to the registration statement of which this prospectus forms a part. The number of shares of common stock outstanding after this offering excludes:

- 280,600 shares of common stock issuable upon the exercise of warrants with a weighted average exercise price of \$13.91 per share;
- 366,400 shares of common stock issuable upon the exercise of currently outstanding options with a weighted average exercise price of \$9.92 per share; and
 - 333,600 shares of common stock available for future issuance under our 2011 Long-Term Incentive Plan.

RISK FACTORS

Investing in our common stock involves a high degree of risk. You should carefully consider the risks and uncertainties and all other information contained or incorporated by reference in this prospectus, including the risks and uncertainties discussed under “Risk Factors” in our Annual Report on Form 10-K for the fiscal year ended December 31, 2013, which is incorporated herein by reference, as updated or superseded by the risks and uncertainties described under similar headings in the other documents that are filed after the date hereof and incorporated by reference into this prospectus or any prospectus supplement. All of these “Risk Factors” are incorporated by reference herein in their entirety. These risks and uncertainties are not the only ones facing us. Additional risks of which we are not presently aware or that we currently believe are immaterial may also harm our business and results of operations. The trading price of our common stock could decline due to the occurrence of any of these risks, and investors could lose all or part of their investment. In assessing these risks, investors should also refer to the information contained or incorporated by reference in our other filings with the Securities and Exchange Commission.

SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus and the information incorporated by reference contain “forward-looking statements,” which include information relating to future events, future financial performance, strategies, expectations, competitive environment and regulation. Words such as “may,” “should,” “could,” “would,” “predicts,” “potential,” “continue,” “expects,” “anticipates,” “intends,” “plans,” “believes,” “estimates,” and similar expressions, as well as statements in future tense, identify forward-looking statements. Forward-looking statements should not be read as a guarantee of future performance or results and will probably not be accurate indications of when such performance or results will be achieved. Forward-looking statements are based on information we have when those statements are made or our management’s good faith belief as of that time with respect to future events, and are subject to risks and uncertainties that could cause actual performance or results to differ materially from those expressed in or suggested by the forward-looking statements. Important factors that could cause such differences include, but are not limited to:

- General economic conditions and their effect on demand for electrical equipment, particularly in the commercial construction market, but also in the power generation, industrial production, data center, oil and gas, marine and infrastructure industries.
- The effects of fluctuations in sales on our business, revenues, expenses, net income, earnings per share, margins and profitability.
- Many of our competitors are better established and have significantly greater resources, and may subsidize their competitive offerings with other products and services, which may make it difficult for us to attract and retain customers.
- We depend on Hydro-Quebec Utility Company and Siemens Industry, Inc. for a large portion of our business, and any change in the level of orders from Hydro-Quebec Utility Company or Siemens Industry, Inc., could have a significant impact on our results of operations.
- The potential loss or departure of key personnel, including Nathan J. Mazurek, our chairman, president and chief executive officer.
- Our ability to expand our business through strategic acquisitions.

- Our ability to integrate acquisitions and related businesses.
- Our ability to generate internal growth, maintain market acceptance of our existing products and gain acceptance for our new products.
- Unanticipated increases in raw material prices or disruptions in supply could increase production costs and adversely affect our profitability.
- Restrictive loan covenants and/or our ability to repay or refinance debt under our credit facilities could limit our future financing options and liquidity position and may limit our ability to grow our business.
- Our ability to realize revenue reported in our backlog.
- Operating margin risk due to competitive pricing and operating efficiencies, supply chain risk, material, labor or overhead cost increases, interest rate risk and commodity risk.
- Strikes or labor disputes with our employees may adversely affect our ability to conduct our business.

- A majority of our revenue and a significant portion of our expenditures are derived or spent in Canadian dollars. However, we report our financial condition and results of operations in U.S. dollars. As a result, fluctuations between the U.S. dollar and the Canadian dollar will impact the amount of our revenues and earnings.
- The impact of geopolitical activity on the economy, changes in government regulations such as income taxes, climate control initiatives, the timing or strength of an economic recovery in our markets and our ability to access capital markets.
- Our chairman controls a majority of our combined voting power, and may have, or may develop in the future, interests that may diverge from yours.
- Future sales of large blocks of our common stock may adversely impact our stock price.
- The liquidity and trading volume of our common stock.

You should review carefully the section entitled “Risk Factors” beginning on page 4 of this prospectus for a discussion of these and other risks that relate to our business and investing in our common stock. The forward-looking statements contained or incorporated by reference in this prospectus are expressly qualified in their entirety by this cautionary statement. We do not undertake any obligation to publicly update any forward-looking statement to reflect events or circumstances after the date on which any such statement is made or to reflect the occurrence of unanticipated events.

USE OF PROCEEDS

We will not receive any proceeds from the sale of common stock by the selling stockholders.

A portion of the shares covered by this prospectus are issuable upon exercise of warrants to purchase our common stock. The warrants have a cashless exercise option. If, however, a selling stockholder were to exercise its warrants for cash, the selling stockholder would pay us the exercise price of the warrants. We intend to use those proceeds, if any, for general corporate purposes.

SELLING STOCKHOLDERS

Up to 1,400,000 shares of common stock are being offered by this prospectus, all of which are being registered for sale for the accounts of the selling stockholders and include the following:

- shares of common stock that were issued to investors in connection with a private placement on December 2, 2009;
- 200,000 shares of common stock underlying a five year warrant exercisable at \$10.00 per share that we allowed Genesis Capital Advisors LLC to purchase from us for \$10,000 on December 2, 2009 in consideration for WEC Partners, LLC, an affiliate of Genesis Capital Advisors LLC, serving as our lead investor in our December 2, 2009 private placement; and
- 200,000 shares of common stock underlying a five year warrant exercisable at \$16.25 per share that was issued to Provident Pioneer Partners, L.P. pursuant to a share exchange agreement on December 2, 2009.

Each of the transactions by which the selling stockholders acquired their securities from us was exempt under the registration provisions of the Securities Act of 1933, as amended.

The shares of common stock referred to above are being registered to permit public sales of the shares, and the selling stockholders may offer the shares for resale from time to time pursuant to this prospectus. The selling stockholders may also sell, transfer or otherwise dispose of all or a portion of their shares in transactions exempt from the registration requirements of the Securities Act of 1933, as amended, or pursuant to another effective registration statement covering those shares. We may from time to time include additional selling stockholders in supplements or amendments to this prospectus.

The table below sets forth certain information regarding the selling stockholders and the shares of our common stock offered by them in this prospectus. The selling stockholders have not had a material relationship with us within the past three years other than as described in the footnotes to the table below or as a result of their acquisition of our shares or other securities. To our knowledge, subject to community property laws where applicable, each person named in the table has sole voting and investment power with respect to the shares of common stock set forth opposite such person's name.

Beneficial ownership is determined in accordance with the rules of the Securities and Exchange Commission. In computing the number of shares beneficially owned by a selling stockholder and the percentage of ownership of that selling stockholder, shares of common stock underlying warrants held by that selling stockholder that are exercisable within 60 days of April 25, 2014 are included. Those shares, however, are not deemed outstanding for the purpose of computing the percentage ownership of any other selling stockholder. Each selling stockholder's percentage of ownership of our outstanding shares in the table below is based upon 5,907,255 shares of common stock outstanding as of April 25, 2014. With respect to the warrant held by Genesis Capital Advisors LLC, there exists a contractual provision limiting exercise to the extent such exercise would cause Genesis Capital Advisors LLC, together with its

affiliates or members of a “group”, to beneficially own a number of shares of common stock that would exceed 4.99% of our then outstanding shares of common stock following such exercise. The shares and percentage ownership of our outstanding shares indicated in the table below do not give effect to this limitation.

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	Ownership Before Offering		Ownership After Offering (1)	
	Number of shares of common stock beneficially owned	Number of shares offered	Number of shares of common stock beneficially owned	Percentage of common stock beneficially owned
Selling Stockholder				
A. Lawrence Carroll Trust (2)	420,000	420,000	-	-
Dene LLC (3)	26,000	26,000	-	-
Ronald Gurman	30,000	30,000	-	-
Josef Hartman	10,000	10,000	-	-
Eli Lerner	80,000	80,000	-	-
Andrew Minkow (4)	86,501	2,000	84,501	1.2%
Jules Nordlicht	100,000	100,000	-	-
Agvania S.A. (5)	10,000	10,000	-	-
Michael Raskas	30,000	30,000	-	-
Stanley Raskas	20,000	20,000	-	-
A George Saks and Stephanie Saks JTWROS (6)	30,000	30,000	-	-
David Saks	12,000	12,000	-	-
Sami Shemtov	10,000	10,000	-	-
Stephen Sundheimer	20,000	20,000	-	-
WEC Partners LLC (7)	386,060	150,000	236,060	3.3%
Dov Wiener	10,000	10,000	-	-
Margaret Y. Wong	30,000	30,000	-	-
Alex Ping Zhang	10,000	10,000	-	-
Provident Pioneer Partners, L.P. (8)	4,760,000 (9)	200,000 (10)	4,560,000	61.9%

- (1) Represents the amount of shares that will be held by the selling stockholders after completion of this offering based on the assumptions that (a) all shares registered for sale by the registration statement of which this prospectus is part will be sold and (b) that no other shares of our common stock beneficially owned by the selling stockholders are acquired or are sold prior to completion of this offering by the selling stockholders. However, the selling stockholders may sell all, some or none of the shares offered pursuant to this prospectus and may sell other shares of our common stock that they may own pursuant to another registration statement under the Securities Act of 1933 or sell some or all of their shares pursuant to an exemption from the registration provisions of the Securities Act of 1933, as amended, including under Rule 144. To our knowledge there are currently no agreements, arrangements or understanding with respect to the sale of any of the shares that may be held by the selling stockholders after completion of this offering or otherwise.
- (2) A. Lawrence Carroll is the trustee of the A. Lawrence Carroll Trust and, in such capacity, has voting and dispositive power over the securities held for the account of this selling stockholder.
- (3) Naomi Saks is the managing member of Dene, LLC and, in such capacity, has voting and dispositive power over the securities held for the account of this selling stockholder.
- (4) Includes (i) 4,168 shares of common stock, (ii) a currently exercisable warrant to purchase up to 30,000 shares of common stock at an exercise price of \$10.00 per share, and (iii) 52,333 shares subject to stock options which are exercisable within 60 days of April 25, 2014. Andrew Minkow is our chief financial officer, secretary and treasurer and a director.

- (5) Sergio Oberlander has voting and dispositive power over the securities held for the account of this selling stockholder.
- (6) Each of A. George Saks and Stephanie Saks have voting and dispositive power over the securities held for the account of this selling stockholder.
- (7) Comprised of (i) 236,060 shares of common stock held by certain affiliates of WEC Partners LLC and its affiliate, Genesis Capital Advisors LLC, and (ii) 150,000 shares of common stock held by WEC Partners LLC. Genesis Capital Advisors LLC also holds a warrant to purchase 200,000 shares of common stock, which shares are not included in the table above. The warrant is not convertible to the extent that after giving effect to the conversion, the holder (together with its affiliates, and any other person or entity acting as a group together with such holder or any of its affiliates) would beneficially own more than 4.99% of the number of shares of our common stock outstanding immediately after such conversion, unless such requirement is waived by the holder upon not less than 61 days' prior notice to us to change the beneficial ownership limitation to 9.99%. Each of Daniel Saks, Jaime Hartman and Ethan Benovitz are principals of Genesis Capital Advisors LLC and of WEC Partners LLC and, as such may be deemed to have voting and dispositive power over the securities held for the account of these stockholders.
- (8) Nathan J. Mazurek is the majority stockholder and a control person of Provident Canada Corp., the general partner of Provident Pioneer Partners, L.P., and, as such, has sole voting and investment power over the securities held for the account of this selling stockholder. Nathan J. Mazurek is our chief executive officer, president and chairman of the board of directors. In addition, prior to December 2, 2009, Provident Pioneer Partners, L.P. was the sole stockholder of Pioneer Transformers Ltd., our wholly owned subsidiary.
- (9) Includes (i) 4,560,000 shares of common stock, and (ii) a currently exercisable warrant to purchase up to 200,000 shares of common stock at an exercise price of \$16.25 per share.
- (10) Includes 200,000 shares of common stock issuable upon the exercise of a warrant.

PLAN OF DISTRIBUTION

The selling stockholders may, from time to time, sell any or all of their shares of common stock on any stock exchange, market or trading facility on which the shares are traded or in private transactions. These sales may be at fixed or negotiated prices. The selling stockholders may use any one or more of the following methods when selling shares:

- ordinary brokerage transactions and transactions in which the broker-dealer solicits purchasers;
- block trades in which the broker-dealer will attempt to sell the shares as agent but may position and resell a portion of the block as principal to facilitate the transaction;
- purchases by a broker-dealer as principal and resale by the broker-dealer for its account;
 - an exchange distribution in accordance with the rules of the applicable exchange;
- privately negotiated transactions;
- short sales;
- broker-dealers may agree with the selling stockholders to sell a specified number of such shares at a stipulated price per share;
- a combination of any such methods of sale; and
- any other method permitted pursuant to applicable law.

The selling stockholders may also sell shares under Rule 144 under the Securities Act of 1933, as amended, if available, rather than under this prospectus.

Broker-dealers engaged by the selling stockholders may arrange for other brokers-dealers to participate in sales. Broker-dealers may receive commissions or discounts from the selling stockholders (or, if any broker-dealer acts as agent for the purchaser of shares, from the purchaser) in amounts to be negotiated. The selling stockholders do not expect these commissions and discounts to exceed what is customary in the types of transactions involved. Any profits on the resale of shares of common stock by a broker-dealer acting as principal might be deemed to be underwriting discounts or commissions under the Securities Act of 1933, as amended. Discounts, concessions, commissions and similar selling expenses, if any, attributable to the sale of shares will be borne by a selling stockholder. The selling stockholders may agree to indemnify any agent, dealer or broker-dealer that participates in

transactions involving sales of the shares if liabilities are imposed on that person under the Securities Act of 1933, as amended.

The selling stockholders may from time to time pledge or grant a security interest in some or all of the shares of common stock owned by them and, if they default in the performance of their secured obligations, the pledgees or secured parties may offer and sell the shares of common stock from time to time under this prospectus after we have filed a supplement to this prospectus under Rule 424(b)(3) or other applicable provision of the Securities Act of 1933, as amended, supplementing or amending the list of selling stockholders to include the pledgee, transferee or other successors in interest as selling stockholders under this prospectus.

The selling stockholders also may transfer the shares of common stock in other circumstances, in which case the transferees, pledgees or other successors in interest will be the selling beneficial owners for purposes of this prospectus and may sell the shares of common stock from time to time under this prospectus after we have filed a supplement to this prospectus under Rule 424(b)(3) or other applicable provision of the Securities Act of 1933, as amended, supplementing or amending the list of selling stockholders to include the pledgee, transferee or other successors in interest as selling stockholders under this prospectus.

The selling stockholders and any broker-dealers or agents that are involved in selling the shares of common stock may be deemed to be “underwriters” within the meaning of the Securities Act of 1933, as amended, in connection with such sales. In such event, any commissions received by such broker-dealers or agents and any profit on the resale of the shares of common stock purchased by them may be deemed to be underwriting commissions or discounts under the Securities Act of 1933, as amended.

We are required to pay all fees and expenses incident to the registration of the shares of common stock. We have agreed to indemnify the selling stockholders against certain losses, claims, damages and liabilities, including liabilities under the Securities Act of 1933, as amended.

The selling stockholders have advised us that they have not entered into any agreements, understandings or arrangements with any underwriters or broker-dealers regarding the sale of their shares of common stock, nor is there an underwriter or coordinating broker acting in connection with a proposed sale of shares of common stock by any selling stockholder. If we are notified by any selling stockholder that any material arrangement has been entered into with a broker-dealer for the sale of shares of common stock, if required, we will file a supplement to this prospectus. If the selling stockholders use this prospectus for any sale of the shares of common stock, they will be subject to the prospectus delivery requirements of the Securities Act of 1933, as amended.

The anti-manipulation rules of Regulation M under the Securities Exchange Act of 1934, as amended, may apply to sales of our common stock and activities of the selling stockholders.

DESCRIPTION OF CAPITAL STOCK

We are authorized to issue 30,000,000 shares of common stock and 5,000,000 shares of preferred stock. On April 25, 2014, there were 7,172,255 shares of common stock issued and outstanding and no shares of preferred stock issued and outstanding.

Common Stock

The holders of common stock are entitled to one vote per share. Our certificate of incorporation does not provide for cumulative voting. The holders of our common stock are entitled to receive ratably such dividends, if any, as may be declared by the board of directors out of legally available funds. Upon liquidation, dissolution or winding-up, the holders of our common stock are entitled to share ratably in all assets that are legally available for distribution. The holders of our common stock have no preemptive, subscription, redemption or conversion rights. The rights, preferences and privileges of holders of our common stock are subject to, and may be adversely affected by, the rights of the holders of any series of preferred stock, which may be designated solely by action of the board of directors and issued in the future.

Preferred Stock

The board of directors is authorized, subject to any limitations prescribed by law, without further vote or action by the stockholders, to issue from time to time shares of preferred stock in one or more series. Each such series of preferred stock shall have such number of shares, designations, preferences, voting powers, qualifications, and special or relative rights or privileges as shall be determined by the board of directors, which may include, among others, dividend rights, voting rights, liquidation preferences, conversion rights and preemptive rights.

Warrants

\$10.00 Warrant

On December 2, 2009, we sold a warrant to purchase up to an aggregate of 200,000 shares of common stock for \$10,000. Such warrant provides for the purchase of shares of common stock for five years at an exercise price of \$10.00 per share. We are prohibited from effecting the exercise of the warrant to the extent that as a result of such exercise the holder of the exercised warrant would beneficially own more than 4.99% (or, if such limitation is waived

by the holder upon no less than 61 days prior notice to us, 9.99%) in the aggregate of our issued and outstanding shares of common stock, as calculated immediately after giving effect to the issuance of shares of our common stock upon the exercise of the warrant. The warrant contains provisions that protect its holder against dilution by adjustment of the purchase price in certain events such as stock dividends, stock splits and other similar events. If at any time after the one year anniversary of the issuance date of such warrant there is no effective registration statement, or no current prospectus available for the resale of the shares of common stock underlying the warrant, then the holder of such warrant has the right to exercise the warrant by means of a cashless exercise.

\$16.25 Warrant

In connection with our acquisition of Pioneer Transformers Ltd., we issued a warrant to purchase up to 200,000 shares of common stock to Provident Pioneer Partners, L.P. Such warrant provides for the purchase of shares of common stock for five years at an exercise price of \$16.25 per share. This warrant contains a provision that protects its holder against dilution by adjustment of the purchase price in the event of a stock split or combination. If at any time after the one year anniversary of the issuance date of such warrant there is no effective registration statement registering, or no current prospectus available for, the resale of the shares of common stock underlying such warrant, then the holder shall have the right to exercise this warrant by means of a cashless exercise.

Klink Warrant

On April 30, 2010, we sold Thomas Klink a warrant to purchase up to an aggregate of 200,000 shares of common stock for \$10,000. Such warrant provides for the purchase of shares of common stock for five years at an

exercise price of \$16.25 per share. This warrant contains a provision that protects its holder against dilution by adjustment of the purchase price in the event of a stock split or combination.

Consultant Warrant

On April 26, 2010, we issued a five year warrant to a consultant to purchase up to an aggregate of 30,000 shares of common stock at an exercise price of \$10.00 per share. This warrant contains a provision that protects its holder against dilution by adjustment of the purchase price in the event of a stock split or combination. In addition, if at any time after the one year anniversary of the issuance date of the warrant there is no effective registration statement registering, or no current prospectus available for, the resale of the shares of common stock underlying the warrant, then the holder of this warrant will have the right to exercise the warrant by means of a cashless exercise.

Registration Rights

In connection with our \$5 million private placement of common stock on December 2, 2009, we agreed to use our best efforts to file a registration statement with the Securities and Exchange Commission on or before February 1, 2010 covering the resale of the shares of common stock issued in such private placement, and to cause such registration statement to be declared effective by the Securities and Exchange Commission on or before May 31, 2010. As required, we filed a registration statement on January 25, 2010, which was originally declared effective on April 20, 2010 and remains in effect. The post-effective amendment of which this prospectus forms a part has been filed in order to update this registration statement.

We granted to Provident Pioneer Partners, L.P. and Genesis Capital Advisors, LLC piggyback registration rights, pursuant to which we agreed to register the shares of common stock issuable upon the exercise of the warrants held by them in the event that we determined to prepare and file a registration statement with the Securities and Exchange Commission relating to an offering of any of our equity securities for our own account or the account of others under the Securities Act of 1933, as amended, subject to certain exemptions. These shares were included in the effective registration statement described above.

Anti-Takeover Effect of Delaware Law, Certain Charter and Bylaw Provisions

So long as Provident Pioneer Partners, L.P., which is controlled by Nathan J. Mazurek, maintains a majority of the voting power of our common stock, Mr. Mazurek will effectively control all matters submitted to our stockholders for a vote, as well as the overall management and direction of our company, which may have the effect of delaying, deferring or discouraging another person from acquiring control of our company.

After such time that Provident Pioneer Partners, L.P. or any other entity controlled by Mr. Mazurek does not maintain a majority of the voting power of our common stock, the provisions of Delaware law, our certificate of incorporation and our bylaws may have the effect of delaying, deferring or discouraging another person from acquiring control of our company.

Our certificate of incorporation and bylaws contain provisions that could have the effect of discouraging potential acquisition proposals or tender offers or delaying or preventing a change of control of our company. These provisions are as follows:

- They provide that special meetings of stockholders may be called only by our chairman, our president or by a resolution adopted by a majority of our board of directors.
- They do not include a provision for cumulative voting in the election of directors. Under cumulative voting, a minority stockholder holding a sufficient number of shares may be able to ensure the election of one or more directors. The absence of cumulative voting may have the effect of limiting the ability of minority stockholders to effect changes in our board of directors.
- They allow us to issue, without stockholder approval, up to 5,000,000 shares of preferred stock that could adversely affect the rights and powers of the holders of our common stock.

We are subject to the provisions of Section 203 of the General Corporation Law of the State of Delaware, an anti-takeover law. In general, Section 203 prohibits a publicly held Delaware corporation from engaging in a “business combination” with an “interested stockholder” for a period of three years after the date of the transaction in which the person became an interested stockholder, unless the business combination is approved in a prescribed manner. For purposes of Section 203, a “business combination” includes a merger, asset sale or other transaction resulting in a financial benefit to the interested stockholder, and an “interested stockholder” is a person who, together with affiliates and associates, owns, or within three years prior did own, 15% or more of the voting stock of a corporation.

Indemnification of Directors and Officers

Section 145 of the General Corporation Law of the State of Delaware provides, in general, that a corporation incorporated under the laws of the State of Delaware, as we are, may indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action, suit or proceeding (other than a derivative action by or in the right of the corporation) by reason of the fact that such person is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another enterprise, against expenses (including attorneys’ fees), judgments, fines and amounts paid in settlement actually and reasonably incurred by such person in connection with such action, suit or proceeding if such person acted in good faith and in a manner such person reasonably believed to be in or not opposed to the best interests of the corporation and, with respect to any criminal action or proceeding, had no reasonable cause to believe such person’s conduct was unlawful. In the case of a derivative action, a Delaware corporation may indemnify any such person against expenses (including attorneys’ fees) actually and reasonably incurred by such person in connection with the defense or settlement of such action or suit if such person acted in good faith and in a manner such person reasonably believed to be in or not opposed to the best interests of the corporation, except that no indemnification will be made in respect of any claim, issue or matter as to which such person will have been adjudged to be liable to the corporation unless and only to the extent that the Court of Chancery of the State of Delaware or any other court in which such action was brought determines such person is fairly and reasonably entitled to indemnity for such expenses.

Our certificate of incorporation and bylaws provide that we will indemnify our directors, officers, employees and agents to the extent and in the manner permitted by the provisions of the General Corporation Law of the State of Delaware, as amended from time to time, subject to any permissible expansion or limitation of such indemnification, as may be set forth in any stockholders’ or directors’ resolution or by contract. Any repeal or modification of these provisions approved by our stockholders will be prospective only and will not adversely affect any limitation on the liability of any of our directors or officers existing as of the time of such repeal or modification.

We are also permitted to apply for insurance on behalf of any director, officer, employee or other agent for liability arising out of his actions, whether or not the General Corporation Law of the State of Delaware would permit indemnification.

Disclosure of Commission Position on Indemnification for Securities Act Liabilities

Insofar as indemnification for liabilities arising under the Securities Act of 1933, as amended, may be permitted to our directors, officers and persons controlling us, we have been advised that it is the Securities and Exchange Commission's opinion that such indemnification is against public policy as expressed in the Securities Act of 1933, as amended, and is, therefore, unenforceable.

LEGAL MATTERS

Haynes and Boone, LLP, New York, New York, has passed upon the validity of the shares of our common stock offered by the selling stockholders under this prospectus.

EXPERTS

The financial statements as of December 31, 2013 and 2012 and for the years ended December 31, 2013 and 2012 incorporated in this prospectus by reference to the Annual Report on Form 10-K for the year ended December 31, 2013 have been audited by Richter LLP, an independent registered public accounting firm, as stated in their report appearing therein, and are incorporated by reference in reliance upon the report of such firm, given upon their authority as experts in auditing and accounting.

INCORPORATION OF CERTAIN INFORMATION BY REFERENCE

The Securities and Exchange Commission allows us to “incorporate by reference” the information we have filed with it, which means that we can disclose important information to you by referring you to those documents. The information we incorporate by reference is an important part of this prospectus, and later information that we file with the Securities and Exchange Commission will automatically update and supersede this information. We incorporate by reference the documents listed below and any future documents (excluding information furnished pursuant to Items 2.02 and 7.01 of Form 8-K) we file with the Securities and Exchange Commission pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Securities Exchange Act of 1934, as amended, subsequent to the date of this prospectus and prior to the termination of the offering:

- Our Annual Report on Form 10-K for the year ended December 31, 2013, filed with the Securities and Exchange Commission on March 14, 2014;
- Our Current Report on Form 8-K, filed with the Securities and Exchange Commission on March 18, 2014;
- Our Definitive Proxy Statement filed on April 21, 2014; and;
- The description of our common stock, which is contained in our registration statement on Form 8-A, filed with the Securities and Exchange Commission on September 17, 2013, as updated or amended in any amendment or report filed for such purpose.

All filings filed by us pursuant to the Securities Exchange Act of 1934, as amended, after the date of the initial filing of this amendment to the registration statement and prior to the effectiveness of such amendment (excluding information furnished pursuant to Items 2.02 and 7.01 of Form 8-K) shall also be deemed to be incorporated by reference into the prospectus.

WHERE YOU CAN FIND MORE INFORMATION

We are subject to the informational requirements of the Securities Exchange Act of 1934, as amended, and in accordance therewith file annual, quarterly and current reports, proxy statements and other information with the Securities and Exchange Commission. Such reports, proxy statements and other information can be read and copied at the Securities and Exchange Commission’s public reference facilities at 100 F Street, N.E., Washington, D.C. 20549, at prescribed rates. Please call the Securities and Exchange Commission at 1-800-732-0330 for further information on the operation of the public reference facilities. In addition, the Securities and Exchange Commission maintains a

website that contains reports, proxy and information statements and other information regarding registrants that file electronically with the Securities and Exchange Commission. The address of the Securities and Exchange Commission's website is www.sec.gov.

We make available free of charge on or through our website at www.pioneerpowersolutions.com, our Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K and amendments to those reports filed or furnished pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended, as soon as reasonably practicable after we electronically file such material with or otherwise furnish it to the Securities and Exchange Commission. Information on our website is not incorporated by reference in this prospectus and is not a part of this prospectus.

We will provide without charge to each person to whom a copy of this prospectus is delivered, upon written or oral request, a copy of any or all of the information that has been incorporated by reference in this prospectus but not delivered with this prospectus (other than an exhibit to these filings, unless we have specifically incorporated that exhibit by reference in this prospectus). Any such request should be addressed to us at: 400 Kelby Street, Fort Lee, New Jersey 07024, Attention: Andrew Minkow, Chief Financial Officer, or by phone at (212) 867-0700.

Pioneer Power Solutions, Inc.

1,400,000 Shares of Common Stock

PROSPECTUS

PART II

INFORMATION NOT REQUIRED IN PROSPECTUS

Item 14. Other Expenses of Issuance and Distribution.

We are paying all of the selling stockholders' expenses related to this offering, except that the selling stockholders will pay any applicable underwriting discounts and commissions. The fees and expenses payable by us in connection with this Registration Statement are estimated as follows:

Securities and Exchange Commission Registration Fee	\$ 748.65
Accounting Fees and Expenses	20,000.00
Legal Fees and Expenses	70,000.00
Miscellaneous Fees and Expenses	4,251.35
Total	\$ 95,000.00

Item 15. Indemnification of Directors and Officers.

Section 145 of the General Corporation Law of the State of Delaware provides, in general, that a corporation incorporated under the laws of the State of Delaware, as we are, may indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action, suit or proceeding (other than a derivative action by or in the right of the corporation) by reason of the fact that such person is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another enterprise, against expenses (including attorneys' fees), judgments, fines and amounts paid in settlement actually and reasonably incurred by such person in connection with such action, suit or proceeding if such person acted in good faith and in a manner such person reasonably believed to be in or not opposed to the best interests of the corporation and, with respect to any criminal action or proceeding, had no reasonable cause to believe such person's conduct was unlawful. In the case of a derivative action, a Delaware corporation may indemnify any such person against expenses (including attorneys' fees) actually and reasonably incurred by such person in connection with the defense or settlement of such action or suit if such person acted in good faith and in a manner such person reasonably believed to be in or not opposed to the best interests of the corporation, except that no indemnification will be made in respect of any claim, issue or matter as to which such person will have been adjudged to be liable to the corporation unless and only to the extent that the Court of Chancery of the State of Delaware or any

other court in which such action was brought determines such person is fairly and reasonably entitled to indemnity for such expenses.

Our certificate of incorporation and bylaws provide that we will indemnify our directors, officers, employees and agents to the extent and in the manner permitted by the provisions of the General Corporation Law of the State of Delaware, as amended from time to time, subject to any permissible expansion or limitation of such indemnification, as may be set forth in any stockholders' or directors' resolution or by contract. Any repeal or modification of these provisions approved by our stockholders will be prospective only and will not adversely affect any limitation on the liability of any of our directors or officers existing as of the time of such repeal or modification.

We are also permitted to apply for insurance on behalf of any director, officer, employee or other agent for liability arising out of his actions, whether or not the General Corporation Law of the State of Delaware would permit indemnification.

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Item 16.Exhibits.***

Exhibit

No.	Description
4.1	Composite Certificate of Incorporation (Incorporated by reference to Exhibit 3.1 to Amendment No. 4 to the Registration Statement on Form S-1 of Pioneer Power Solutions, Inc. filed with the Securities and Exchange Commission on June 21, 2011).
4.2	Bylaws (Incorporated by reference to Exhibit 3.2 to the Current Report on Form 8-K of Pioneer Power Solutions, Inc. filed with the Securities and Exchange Commission on December 2, 2009).
4.3	Form of Securities Purchase Agreement (Incorporated by reference to Exhibit 10.1 to the Current Report on Form 8-K of Pioneer Power Solutions, Inc. filed with the Securities and Exchange Commission on December 7, 2009).
4.4	Form of \$10.00 Warrant (Incorporated by reference to Exhibit 10.2 to the Current Report on Form 8-K of Pioneer Power Solutions, Inc. filed with the Securities and Exchange Commission on December 7, 2009).
4.5	Form of \$16.25 Warrant (Incorporated by reference to Exhibit 10.3 to the Current Report on Form 8-K of Pioneer Power Solutions, Inc. filed with the Securities and Exchange Commission on December 7, 2009).
4.6	Warrant to Purchase Common Stock, dated April 30, 2010, issued to Thomas Klink (Incorporated by reference to Exhibit 4.1 to the Current Report on Form 8-K of Pioneer Power Solutions, Inc. filed with the Securities and Exchange Commission on May 4, 2010).
4.7	Warrant to Purchase Common Stock, dated April 26, 2010 (Incorporated by reference to Exhibit 4.6 to Post-Effective Amendment No. 1 to Registration Statement on Form S-1 of Pioneer Power Solutions, Inc. filed with the Securities and Exchange Commission on June 1, 2010).
4.8	Form of Warrant to Purchase Common Stock, dated September 24, 2013, issued to Roth Capital Partners, LLC and to Monarch Capital Group, LLC (Incorporated by reference to Exhibit 4.8 to Amendment No. 1 to Registration Statement on Form S-1 of Pioneer Power Solutions, Inc. filed with the Securities and Exchange Commission on September 10, 2013).
4.9	Form of common stock certificate (Incorporated by reference to Exhibit 4.7 to Registration Statement on Form S-1 of Pioneer Power Solutions, Inc. filed with the Securities and Exchange Commission on August 1, 2013)
5.1	Opinion of Haynes and Boone, LLP (Incorporated by reference to Exhibit 5.1 to Amendment No. 3 to Registration Statement on Form S-1 filed with the Securities and Exchange Commission on April 15, 2011)
23.1**	Consent of Richter LLP.
23.2	Consent of Haynes and Boone, LLP (included in Exhibit 5.1)
24.1	Power of Attorney (included in signature page)

* Confidential treatment has been granted with respect to certain portions of this exhibit.

** Filed herewith.

*** Pioneer Power Solutions, Inc. will file as an exhibit to a Current Report on Form 8-K any underwriting, remarketing or agency agreement relating to the securities offered hereby

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Item 17.Undertakings.

The undersigned registrant hereby undertakes:

(a)(1)To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:

(i)To include any prospectus required by Section 10(a)(3) of the Securities Act of 1933;

(ii)To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20% change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement;

(iii)To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement;

provided, however, that the undertakings set forth in paragraphs (a)(1)(i), (a)(1)(ii) and (a)(1)(iii) above do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Commission by the registrant pursuant to Section 13 or Section 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in the registration statement or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

(2)That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(3)To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(4)That, for the purpose of determining liability under the Securities Act of 1933 to any purchaser:

(i)Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and

(ii)Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5), or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii), or (x) for the purpose of providing the information required by section 10(a) of the Securities Act of 1933 shall be deemed to be part of and included in the registration statement as of the

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earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which that prospectus relates, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof. Provided, however, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date.

(b)The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant's annual report pursuant to section 13(a) or section 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(c)Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Act and will be governed by the final adjudication of such issue.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Fort Lee, State of New Jersey, on April 25, 2014.

PIONEER POWER SOLUTIONS, INC.

By: /s/ Nathan J. Mazurek
Name: Nathan J. Mazurek
Title: Chief Executive Officer

Power of Attorney

Each person whose signature appears below hereby appoints each of Nathan J. Mazurek and Andrew Minkow, severally, acting alone and without the other, his or her true and lawful attorney-in-fact, with full power of substitution, and with the authority to execute in the name of each such person, any and all amendments (including without limitation, post-effective amendments) to this registration statement, to sign any and all additional registration statements relating to the same offering of securities as this registration statement that are filed pursuant to Rule 462(b) of the Securities Act of 1933, and to file such registration statements with the Securities and Exchange Commission, together with any exhibits thereto and other documents therewith, necessary or advisable to enable the registrant to comply with the Securities Act of 1933, and any rules, regulations and requirements of the Securities and Exchange Commission in respect thereof, which amendments may make such other changes in the registration statement as the aforesaid attorney-in-fact executing the same deems appropriate.

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

Signature	Title	Date
/s/ Nathan J. Mazurek Nathan J. Mazurek	President, Chief Executive Officer and Chairman of the Board of Directors (principal executive officer)	April 25, 2014
/s/ Andrew Minkow Andrew Minkow	Chief Financial Officer, Secretary, Treasurer and Director (principal financial and accounting officer)	April 25, 2014

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/s/ Thomas Klink Thomas Klink	Director, President of Jefferson Electric, Inc.	April 25, 2014
/s/ Yossi Cohn Yossi Cohn	Director	April 25, 2014
/s/ David J. Landes David J. Landes	Director	April 25, 2014
/s/ Ian Ross Ian Ross	Director	April 25, 2014
/s/ David Tesler David Tesler	Director	April 25, 2014
/s/ Jonathan Tulkoff Jonathan Tulkoff	Director	April 25, 2014
