

FORM 3UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

OMB 3235-
Number: 0104
Estimated average
burden hours per
response... 0.5**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF
SECURITIES**Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or
Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person * AWM Investment Company, Inc. (Last) (First) (Middle) 527 MADISON AVENUE, SUITE 2600 (Street) NEW YORK, NY 10022 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 01/30/2015	3. Issuer Name and Ticker or Trading Symbol Ideal Power Inc. [IPWR]	4. Relationship of Reporting Person(s) to Issuer (Check all applicable) ____ Director ____X____ 10% Owner ____ Officer (give title below) ____ Other (specify below)	5. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) __X__ Form filed by One Reporting Person ____ Form filed by More than One Reporting Person
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Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	1,146,935 (1) (2)	I (1) (2)	By Limited Partnerships (1) (2)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

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1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
AWM Investment Company, Inc. 527 MADISON AVENUE SUITE 2600 NEW YORK, NY 10022		X		

Signatures

Adam C. Stettner	01/30/2015
**Signature of Reporting Person	Date

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 5(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

AWM Investment Company, Inc., a Delaware corporation (AWM), is the investment adviser to Special Situations Fund III QP, L.P. (SSFQP), Special Situations Cayman Fund, L.P. (CAYMAN), Special Situations Technology Fund, L.P. (TECH) and Special Situations

(1) Technology Fund II, L.P. (TECH II and together with SSFQP, CAYMAN, and TECH, the Funds). As the investment adviser to the Funds, AWM holds sole voting and investment power over 576,819 shares of Common Stock of the Issuer (the Shares) held by SSFQP, 167,684 Shares held by CAYMAN, 59,963 Shares held by TECH and 342,469 Shares held by TECH II.

Austin W. Marx (Marx), David M. Greenhouse (Greenhouse) and Adam C. Stettner (Stettner) are the controlling principals of AWM. Marx, Greenhouse and Stettner previously reported the Shares held by the Funds on Form 3. Accordingly, reference should be made to

(2) Marx, Greenhouse and Stettner (CIK #0001044321) for any prior filings with the Securities and Exchange Commission relating to the Shares held by each of the Funds. The reporting person disclaims beneficial ownership of the Shares, except to the extent of its pecuniary interest therein. This report shall not be deemed an admission that the reporting person is the beneficial owner of the securities reported herein for purposes of Section 16 of the Securities Exchange Act of 1934, as amended, or for any other purpose.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure.

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