

MONOLITHIC POWER SYSTEMS INC  
Form SC 13G/A  
February 16, 2016

SECURITIES  
AND  
EXCHANGE  
COMMISSION  
Washington,  
D.C. 20549

SCHEDULE  
13G/A

Under the  
Securities  
Exchange Act of  
1934  
(Amendment  
No. 3)\*

MONOLITHIC  
POWER  
SYSTEMS,  
INC.  
(Name of  
Issuer)

Common Stock,  
par value \$0.001  
per share  
(Title of Class  
of Securities)

609839105  
(CUSIP  
Number)

December 31,  
2015  
(Date of Event  
Which Requires  
Filing of This  
Statement)

Check the  
appropriate box  
to designate the  
rule pursuant to

which this  
Schedule is  
filed:

- Rule 13d-1(b)
- Rule 13d-1(c)
- Rule 13d-1(d)

(Page 1 of 11  
Pages)

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\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

<b>1</b>	NAME OF REPORTING PERSON
	Adage Capital Partners, L.P.
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER (b) " OF A GROUP
<b>3</b>	SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION
	Delaware
<b>5</b>	SOLE VOTING POWER
	0
<b>6</b>	SHARED VOTING POWER
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	447,876
<b>7</b>	SOLE DISPOSITIVE POWER
	0
<b>8</b>	SHARED DISPOSITIVE POWER
<b>9</b>	447,876 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

447,876

CHECK BOX

IF THE

AGGREGATE

AMOUNT IN ..

**10**

ROW (9)

EXCLUDES

CERTAIN

SHARES

PERCENT OF

CLASS

REPRESENTED BY

**11**

AMOUNT IN ROW

(9)

1.13%

TYPE OF

REPORTING

**12**

PERSON

PN

<b>1</b>	NAME OF REPORTING PERSON
	Adage Capital Partners GP, L.L.C.
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER (b) " OF A GROUP
<b>3</b>	SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION
	Delaware
<b>5</b>	SOLE VOTING POWER
	0
<b>6</b>	SHARED VOTING POWER
<b>7</b>	447,876 SOLE DISPOSITIVE POWER
<b>8</b>	0 SHARED DISPOSITIVE POWER
<b>9</b>	447,876 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

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IF THE

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**10**

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CERTAIN

SHARES

PERCENT OF

CLASS

REPRESENTED BY

**11**

AMOUNT IN ROW

(9)

1.13%

TYPE OF

REPORTING

**12**

PERSON

OO

<b>1</b>	NAME OF REPORTING PERSON
	Adage Capital Advisors, L.L.C.
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER (b) " OF A GROUP
<b>3</b>	SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION
	Delaware
<b>5</b>	SOLE VOTING POWER
	0
<b>6</b>	SHARED VOTING POWER
<b>7</b>	447,876 SOLE DISPOSITIVE POWER
<b>8</b>	0 SHARED DISPOSITIVE POWER
<b>9</b>	447,876 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

447,876

CHECK BOX

IF THE

AGGREGATE

AMOUNT IN ..

**10**

ROW (9)

EXCLUDES

CERTAIN

SHARES

PERCENT OF

CLASS

REPRESENTED BY

**11**

AMOUNT IN ROW

(9)

1.13%

TYPE OF

REPORTING

**12**

PERSON

OO



<b>1</b>	NAME OF REPORTING PERSON
	Robert Atchinson
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER (b) " OF A GROUP
<b>3</b>	SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION
	United States
<b>5</b>	SOLE VOTING POWER
	0
<b>6</b>	SHARED VOTING POWER
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	447,876
<b>7</b>	SOLE DISPOSITIVE POWER
	0
<b>8</b>	SHARED DISPOSITIVE POWER
	447,876
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
	447,876

<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN .. ROW (9) EXCLUDES CERTAIN SHARES PERCENT OF CLASS
<b>11</b>	REPRESENTED BY AMOUNT IN ROW (9)
<b>12</b>	1.13% TYPE OF REPORTING PERSON  IN

<b>1</b>	NAME OF REPORTING PERSON
	Phillip Gross
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER (b) " OF A GROUP
<b>3</b>	SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION
	United States
<b>5</b>	SOLE VOTING POWER
	0
<b>6</b>	SHARED VOTING POWER
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	447,876
<b>7</b>	SOLE DISPOSITIVE POWER
	0
<b>8</b>	SHARED DISPOSITIVE POWER
	447,876
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
	447,876

<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN .. ROW (9) EXCLUDES CERTAIN SHARES PERCENT OF CLASS
<b>11</b>	REPRESENTED BY AMOUNT IN ROW (9)
<b>12</b>	1.13% TYPE OF REPORTING PERSON  IN

**Item 1(a). NAME OF ISSUER**

The name of the issuer is MONOLITHIC POWER SYSTEMS, INC. (the "Company").

**Item 1(b). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES**

The Company's principal executive offices are located at 79 Great Oaks Boulevard, San Jose, CA 95119.

**Item 2(a). NAME OF PERSON FILING**

This statement is filed by:

- (i) Adage Capital Partners, L.P., a Delaware limited partnership ("ACP") with respect to the shares of Common Stock directly owned by it;  
  
Adage Capital Partners GP, L.L.C., a limited liability company organized under the laws of the State of Delaware ("ACPGP"), as general partner of ACP with respect to the shares of Common Stock directly owned by ACP;
- (ii) Adage Capital Advisors, L.L.C., a limited liability company organized under the laws of the State of Delaware ("ACA"), as managing member of ACPGP, general partner of ACP, with respect to the shares of Common Stock directly owned by ACP;
- (iii) Robert Atchinson ("Mr. Atchinson"), as managing member of ACA, managing member of ACPGP, general partner of ACP with respect to the shares of Common Stock directly owned by ACP; and
- (iv) Phillip Gross ("Mr. Gross"), as managing member of ACA, managing member of ACPGP, general partner of ACP with respect to the shares of Common Stock directly owned by ACP.

The foregoing persons are hereinafter sometimes collectively referred to as the "Reporting Persons." Any disclosures herein with respect to persons other than the Reporting Persons are made on information and belief after making inquiry to the appropriate party.

The filing of this statement should not be construed in and of itself as an admission by any Reporting Person as to beneficial ownership of the securities reported herein.

**Item 2(b). ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE**

The address of the business office of each of the Reporting Persons is 200 Clarendon Street, 52nd floor, Boston, Massachusetts 02116.

**Item 2(c). CITIZENSHIP**

ACP is a limited partnership organized under the laws of the State of Delaware. ACPGP and ACA are limited liability companies organized under the laws of the State of Delaware. Messrs. Gross and Atchinson are citizens of the United States.

CUSIP No. **609839105** 13G/APage 8 of 11 Pages

**Item 2(d). TITLE OF CLASS OF SECURITIES**

Common Stock, par value \$0.001 per share (the "Common Stock").

**Item 2(e). CUSIP NUMBER**

609839105

**Item 3. IF THIS STATEMENT IS FILED PURSUANT TO Rules 13d-1(b), OR 13d-2(b) OR (c), CHECK WHETHER THE PERSON FILING IS A:**

- (a) " Broker or dealer registered under Section 15 of the Act;
- (b) " Bank as defined in Section 3(a)(6) of the Act;
- (c) " Insurance company as defined in Section 3(a)(19) of the Act;
- (d) " Investment company registered under Section 8 of the Investment Company Act of 1940;
- (e) " An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);  
An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);
- (f) "
- (g) " A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);  
A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act;
- (h) "
- (i) " A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act;
- (j) " A non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J);
- (k) " Group, in accordance with Rule 13d-1(b)(1)(ii)(K).

If filing as a non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J), please

specify the type of institution: Not applicable.

**Item**  
**4. OWNERSHIP**

- A. Adage Capital Partners, L.P.,  
Adage Capital Partners GP,  
L.L.C. and Adage Capital  
Advisors, L.L.C.
- (a) Amount beneficially  
owned: 447,876  
Percent of class:  
1.13%. The percentages  
used herein and in the rest  
of this 13G/A are  
calculated based upon the  
39,519,243 shares of  
Common Stock
  - (b) outstanding as of October  
23, 2015 as reflected in the  
Company's Quarterly  
Report on Form 10-Q for  
the period ended  
September 30, 2015 filed  
with the Securities and  
Exchange Commission on  
October 28, 2015.
  - (c) (i) Sole power to  
vote or direct  
the vote: 0  
Shared power
  - (ii) to vote or  
direct the vote:  
447,876  
Sole power to
  - (iii) dispose or  
direct the  
disposition: 0  
Shared power
  - (iv) to dispose or  
direct the  
disposition  
of: 447,876

ACP has the power to dispose of and the power to vote the shares of Common Stock beneficially owned by it, which power may be exercised by its general partner, ACPGP. ACA, as managing member of ACPGP, directs ACPGP's



operations. Neither ACPGP nor ACA directly own any shares of Common Stock. By reason of the provisions of Rule 13d-3 of the Securities Exchange Act of 1934 (the "Act"), ACPGP and ACA may be deemed to beneficially own the shares owned by ACP.

**B. Robert Atchinson and Phillip Gross**

- (a) Amount beneficially owned:  
447,876
- (b) Percent of class: 1.13%
- (c) (i) Sole power to vote or  
direct the vote: 0
- (ii) Shared power to vote  
or direct the  
vote: 447,876
- (iii) Sole power to  
dispose or direct the  
disposition: 0
- (iv) Shared power to  
dispose or direct the  
disposition: 447,876

Messrs. Atchinson and Gross,  
as managing members of  
ACA, have shared power to  
vote the Common Stock  
beneficially owned by  
ACP. Neither Mr. Atchinson  
nor Mr. Gross directly own  
any shares of Common  
Stock. By reason of the  
provisions of Rule 13d-3 of the  
Act, each may be deemed to  
beneficially own the shares  
beneficially owned by ACP.

**Item 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS**

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than 5 percent of the class of securities, check the following [X]

**Item 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON**

Not applicable.

**Item 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY OR CONTROL PERSON**

Not applicable.

**Item 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP**

Not applicable.

**Item 9. NOTICE OF DISSOLUTION OF GROUP**

Not applicable.

**Item 10. CERTIFICATION**

Each of the Reporting Persons hereby makes the following certification:

By signing below each Reporting Person certifies that, to the best of his or its knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

**SIGNATURES**

After reasonable inquiry and to the best of his or its knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

DATE: February 16, 2016

ADAGE CAPITAL PARTNERS, L.P.  
By: Adage Capital Partners GP, L.L.C.,  
its general partner

By: Adage Capital Advisors, L.L.C.,  
its managing member

/s/ Robert Atchinson  
Name: Robert Atchinson  
Title: Managing Member

ADAGE CAPITAL PARTNERS GP, L.L.C.  
By: Adage Capital Advisors, L.L.C.,  
its managing member

/s/ Robert Atchinson  
Name: Robert Atchinson  
Title: Managing Member

ADAGE CAPITAL ADVISORS, L.L.C.

/s/ Robert Atchinson  
Name: Robert Atchinson  
Title: Managing Member

ROBERT ATCHINSON

/s/ Robert Atchinson  
ROBERT ATCHINSON, individually

PHILLIP GROSS

/s/ Phillip Gross  
PHILLIP GROSS, individually

