UNITED STATES SECURITIES AND EXCHANGE COMMISSION Weshington D.C. 20540

Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. n/a)*

MONOLITHIC POWER SYSTEMS INC

(Name of Issuer)

Common

(Title of Class of Securities)

609839105

(CUSIP Number)

December 31, 2010

(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)

 \square Rule 13d-1(d)

* 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).

CUSIP No.	609839105	5				
1	I.R.S. II BLAIR	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) BLAIR WILLIAM & CO/IL 36-2214610				
	CHECH	K THE	APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)			
2	(a) □ (b) □					
3	SEC US	SE ON	LY			
	CITIZE	ENSHI	P OR PLACE OF ORGANIZATION			
4		222 W. Adams, Chicago, IL 60606				
BENEF OWNED	OF SHARES ICIALLY BY EACH NG PERSON	-	SOLE VOTING POWER 2,645,506 SHARED VOTING POWER 0 SOLE DISPOSITIVE POWER 2,645,506 SHARED DISPOSITIVE POWER			
	ITH:	8	0			
0			E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
9	2,645,5		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)			
10		<u>x II' 11</u>	TE AOUREDATE AMOUNT IN ROW (7) EACLODES CERTAIN SHARES (SEE INSTRUCTIONS)			
	PERCE	ENT OI	F CLASS REPRESENTED BY AMOUNT IN ROW (9)			
11	7.38%					
		OF RE	PORTING PERSON (SEE INSTRUCTIONS)			
12	BD, IA	BD, IA				
	•					

FOOTNOTES

Item 1.

Item

Item

	(a)	Name of Monoli	f Issuer thic Power Systems, Inc.			
	(b)		Address of Issuer's Principal Executive Offices 6409 Guadalupe Mines Road; San Jose, CA 95120			
2.						
	(a)		Jame of Person Filing Villiam Blair & Company, L.L.C.			
	(b)	Address of Principal Business Office or, if none, Residence 222 W. Adams, Chicago, IL 60606				
	(c)	Citizenship USA				
	(d)		Title of Class of Securities Common			
	(e)	CUSIP Number 609839105				
3.	If this st	s statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:				
	(a)	X	Broker or dealer registered under section 15 of the Act (15 U.S.C. 780).			
	(b)		Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).			
	(c)	X	Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).			
	(d)		Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C 80a-8).			
	(e)		An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);			
	(f)		An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);			

(g) A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);

(h) A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);

A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company (i) Act of 1940 (15 U.S.C. 80a-3);

(j) A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J).

A group, in accordance with § 240.13d-1(b)(1)(ii)(K). If filing as a non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J), (k) please specify the type of institution:

Item 4. Ownership.

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- (a) Amount beneficially owned: 2,645,506
- (b) Percent of class: 7.38
- (c) Number of shares as to which the person has:
 - (i) Sole power to vote or to direct the vote: 2,645,506
 - (ii) Shared power to vote or to direct the vote: 0
 - (iii) Sole power to dispose or to direct the disposition of: 2,645,506
 - (iv) Shared power to dispose or to direct the disposition of: 0

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 five percent of the class of securities, check the following \Box .

n/a

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

n/a

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company

n/a

Item 8. Identification and Classification of Members of the Group

n/a

Item 9. Notice of Dissolution of Group

n/a

Item Certification

10.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and 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.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 07, 2011

By: /s/ Michelle Seitz Name: Michelle Seitz Title: Principal & Head of Investment Management

Footnotes:

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001)