FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

OMB APPRO	OMB APPROVAL								
OMB Number: 3235-02									
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Xiao D (Last)	1. Name and Address of Reporting Person*  Xiao Deming  (Last) (First) (Middle)  79 GREAT OAKS BLVD						2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]  3. Date of Earliest Transaction (Month/Day/Year) 08/06/2014								all appoint and all all appoint and all all appoint and all all appoint and all all all all all all all all all al	olicable) ctor er (give title w)	g Person(s) to  10% ( Other below sia Operatio	Owner (specify
(Street) SAN JOSE CA 95119 (City) (State) (Zip)							4. If Amendment, Date of Original Filed (Month/Day/Year)  ative Securities Acquired, Disposed of, or Benefi								ividual or Joint/Group Filing (Check Applicable  Form filed by One Reporting Person  Form filed by More than One Reporting  Person			
1. Title of Security (Instr. 3)  2. Transaction Date (Month/Day/Y				Execution Date,			3. Transaction Code (Instr. 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 5)			or 5. An		ficially ed wing	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
									Code	v	Amount	(A) or (D)	FIICE		(Instr	saction(s) . 3 and 4)		
				08/06/20	-				S <sup>(1)</sup>	$\vdash$	798	D	+			58,507	D	
				08/08/20					S <sup>(1)</sup>	╀	1,852	D	+			66,655	D	
<u> </u>				08/08/20					S <sup>(1)</sup>	₩	88	D	+			56,567	D	
Common Stock 08/08/2			08/08/20	14				S	_	3,195	D	\$42	.3648	(	53,372	D		
Common Stock																2,470	I	by Spouse
		Та	ble	II - Derivat (e.g., pu							osed of, convertib				wned			
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	Exec if an	3A. Deemed Execution Date, if any (Month/Day/Year)		action Instr.	5. Numbe		6. Dat Expira (Mont	e Exer	cisable and Date	7. Title and Amount of Securities Underlying Derivative Security (Inst 3 and 4)		8. Prof Of Deri Secu		derivative vative Securities brity Beneficially	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Co		v	(A)	(D)	Date Exercisable		Expiration Date		Amour or Number of Shares	er				

## Explanation of Responses:

1. Shares sold to pay tax obligations resulting from the vesting of restricted stock units.

By: Saria Tseng For: Deming <u>08/08/2014</u>

\*\* Signature of Reporting Person Date

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

- $^{\star}$  If the form is filed by more than one reporting person, see Instruction 4 (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).

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.