FORM 4

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

Washington, D.C. 20549

OMB APPROVAL									
OMB Number:	3235-0287								
Estimated average burden									
hours per response:	0.5								

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

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) 03/30/2015									all app Direct Office below	olicable) ctor er (give title w)	, 10% O		Owner (specify	
(Street) SAN JOS (City)	reet) AN JOSE CA 95119						4. If Amendment, Date of Original Filed (Month/Day/Year)										ividual or Joint/Group Filing (Check Applicable  Form filed by One Reporting Person  Form filed by More than One Reporting  Person				
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																					
, (,				2. Transaction Date (Month/Day/Year)		2A. Deemed Execution Date if any (Month/Day/Ye		Date,	Date, T		action (Instr.	4. Securities Acquired (A) o Disposed Of (D) (Instr. 3, 4			and 5) Securit Benefic Owned		ficially ed	For (D) Indi	irect (I)	7. Nature of Indirect Beneficial Ownership	
									С	ode	v	Amount	(A) or (D)	Price		Following Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)		(Instr. 4)	
Common		03/30/2015	5					<b>S</b> <sup>(1)</sup>		10,000	D	D \$53.00		291,575		D					
Common Stock 03/				03/30/2015	5					<b>S</b> <sup>(1)</sup>		696	696 D \$52		524(3)		290,879		D		
Common Stock																1,889		Ι	by Spouse		
	Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																				
1. Title of Derivative Security (Instr. 3)	Conversion or Exercise (Month/Day/Year) Price of Derivative Security  Execution Date, if any (Month/Day/Year)				sinsaction of de (Instr. Securiti Acquire (A) or Dispose of (D) (Instr. 3 and 5)		ative ities red sed 3, 4	Exp (Mc	piration onth/Day	//Year)	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)  Amount or Numbe of Title Shares		Secu (Inst	vative irity	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)			

## Explanation of Responses:

- 1. In accordance with the reporting person's  $10\mathrm{b}5\text{-}1$  trading plan.
- 2. The price is the weighted average sale price for the transactions reported on this line. The prices for the transactions reported on this line range from \$52.36 to \$53.50. The reporting person undertakes to provide, upon request by the staff of the Securities and Exchange Commission, the issuer, or a security holder of the issuer, full information regarding the number of shares sold at each separate price.
- 3. The price is the weighted average sale price for the transactions reported on this line. The prices for the transactions reported on this line range from \$52.88 to \$53.16. The reporting person undertakes to provide, upon request by the staff of the Securities and Exchange Commission, the issuer, or a security holder of the issuer, full information regarding the number of shares sold at each separate price.

By: Saria Tseng For: Deming <u>03/31/2015</u> Xiao

\*\* 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.