FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL								
OMB Number: 3235-028								
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

Name and Address of Reporting Person* Xiao Deming					MO	2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]								(Ch	eck all ap Dire		g Person(s) to 10% (Other		
(Last) 79 GREA	(Fir AT OAKS B	,	Middle)			3. Date of Earliest Transaction (Month/Day/Year) 12/12/2014									belo	ow)	below Asia Operation)	
(Street) SAN JOSE CA 95119 (City) (State) (Zip)					4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)								Lin	e) <mark>X</mark> Forr Forr	ividual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person			
		Tabl	e I - I	Non-Deriv	ative	Secu	ırities <i>A</i>	\cq:	uired,	Dis	posed of	f, or	Ben	eficial	ly Own	ed			
Diam'ry (mean of			2. Transaction Date (Month/Day/Year)		2A. Deemed Execution Date, if any (Month/Day/Year)		,	3. Transaction Code (Instr. 8)		4. Securities Acquired (ADisposed Of (D) (Instr. 35)				nd Secu Bene Own	rities ficially ed	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership		
							[Code	v	Amount	(A) or)	Price	Repo Tran	owing orted saction(s) r. 3 and 4)	(Instr. 4)	(Instr. 4)		
Common Stock 1				12/12/20	014				S ⁽¹⁾		144		D	\$48.4	39	1,895	I	by Spouse	
Common Stock 12				12/12/20)14			S ⁽¹⁾		8		D	\$48.4	9	1,887	I	by Spouse		
Common Stock 12/16/2				12/16/20)14				S ⁽¹⁾		72	72		\$48		1,815	I	by Spouse	
Common Stock															1	34,153	D		
		Та	ble II	- Derivat (e.g., pı							osed of, convertib				Owned	i			
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	Execu if any	eemed ition Date, th/Day/Year)	4. Transac Code (I 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Expirati (Month/	on D		7. Title and Amount of Securities Underlying Derivative Security (Ins 3 and 4)		f g	B. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
	of Respons				Code	e V (A) (D)			Date Exercisable		Expiration Date	or Num of		ımber					

Explanation of Responses:

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

By: Saria Tseng For: Deming Xiao 12/16/2014

** Signature of Reporting Person Date

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

- * 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.