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

Name and Address of Reporting Person* Xiao Deming.						2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC MPWR MONOLITHIC POWER SYSTEMS INC								k all ap		(s) to Issuer 10% Owner Other (specify	
(Last) (First) (Middle) 79 GREAT OAKS BLVD					3. Date of Earliest Transaction (Month/Day/Year) 11/06/2012								X	belo	,	below Asia Operatio	ı)
(Street) SAN JOS (City)						4. If Amendment, Date of Original Filed (Month/Day/Year) 11/06/2012								ividual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person			
		Tabl	e I - N	Non-Deriv	ative S	Secu	ırities Acc	quired,	Dis	posed of	f, or	Bene	ficially	Own	ed		
Date				2. Transact Date (Month/Day	/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)		3. 4. Securi Transaction Code (Instr. 8)						Secur Benef Owne	ficially ed	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
								Code	v	Amount	(A (D) or)	Price	Following Reported Transaction(s) (Instr. 3 and 4)			
Common Stock				11/06/2	2012			S ⁽¹⁾		231		D	\$19.45	122,998		D	
Common Stock 11				11/06/2	012			S ⁽¹⁾		227		D	\$19.45	10,001		I	by Spouse
		Та	ble II				ties Acqu warrants,							wned	I		
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	if any	tion Date,	4. Transac Code (II 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	6. Date E Expiratio (Month/E	n Da		7. Title and Amount of Securities Underlying Derivative Security (Instr 3 and 4)		of De Se (In	Price rivative curity str. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A) (D)			Expiration Date	Title	Amo or Num of Shar	ber				

Explanation of Responses:

Remarks:

This form is amended to correct the Form 4 filed on November 6, 2012. Due to an inadvertent technical error by E-Trade, the number of shares sold to pay the withholding taxes associated with the vesting of restricted stock was incorrectly reported. This form is amended to correct the number of shares sold.

By: Saria Tseng For: Deming Xiao 12/04/2012

** 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.

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