Xiao Deming Form 4 February 01, 2011

## FORM 4

### UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

**OMB** 

**OMB APPROVAL** 

Number:

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January 31, 2005

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response...

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES** 

Form 5 obligations may continue. See Instruction

Check this box

if no longer

subject to

Section 16.

Form 4 or

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person \* 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Xiao Deming Issuer Symbol MONOLITHIC POWER SYSTEMS (Check all applicable) INC [MPWR] (Last) (First) (Middle) 3. Date of Earliest Transaction Director 10% Owner \_X\_\_ Officer (give title \_Other (specify (Month/Day/Year) below) below) 6409 GUADALUPE MINES ROAD 02/01/2011 Pres. of MPS Asia Operations (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) \_X\_ Form filed by One Reporting Person Form filed by More than One Reporting Person

SAN JOSE, CA 95120

	(City)	(State)	Zip) Table	e I - Non-D	erivative	Secur	ities Acq	uired, Disposed o	f, or Beneficial	ly Owned
S	Title of ecurity (nstr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			d of (D)	5. Amount of Securities Beneficially Owned	6. Ownership Form: Direct (D) or Indirect (I)	Indirect Beneficial Ownership
				Code V	Amount	(A) or (D)	Price	Following Reported Transaction(s) (Instr. 3 and 4)	(Instr. 4)	(Instr. 4)
	Common tock	02/01/2011		S	8,592 (1)	D	\$ 14.63	92,615	D	
	Common tock							15,840	I	by Spouse

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

#### Edgar Filing: Xiao Deming - Form 4

#### Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of	2.	3. Transaction Date		4.	5.	6. Date Exer		7. Title		8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Expiration Date		Amou	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secur
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ties	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	3 and 4)		Own
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									Amount		
						Date	Expiration		or		
						Exercisable	Date	Title Nun of	Number		
									of		
				Code V	(A) (D)				Shares		

# **Reporting Owners**

Relationships Reporting Owner Name / Address

> Officer Director 10% Owner Other

Pres. of MPS Xiao Deming 6409 GUADALUPE MINES ROAD Asia

SAN JOSE, CA 95120 **Operations** 

# **Signatures**

By: Saria Tseng For: 02/01/2011 Deming Xiao

\*\*Signature of Reporting Person Date

# **Explanation of Responses:**

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

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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