

MONOLITHIC POWER SYSTEMS INC
 Form 4
 February 11, 2014

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL
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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 OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Xiao Deming

2. Issuer Name and Ticker or Trading Symbol
 MONOLITHIC POWER SYSTEMS INC [MPWR]

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)

(Last) (First) (Middle)
 79 GREAT OAKS BLVD
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 02/06/2014

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 Pres. of MPS Asia Operations

SAN JOSE, CA 95119
 (City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 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

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Ownership (Instr. 4)
			Code	V	Amount or Price		
Common Stock	02/06/2014		S ⁽¹⁾		6,855	D	\$ 32 98,811
Common Stock	02/10/2014		S ⁽²⁾		2,186	D	\$ 33.2061 96,625
Common Stock	02/10/2014		S ⁽²⁾		103	D	\$ 33.2033 96,522
Common Stock	02/10/2014		S ⁽¹⁾		2,673	D	\$ 33.8997 93,849
Common Stock							7,655 I by Spouse

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

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SEC 1474 (9-02)

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

Table with 10 columns: 1. Title of Derivative Security (Instr. 3), 2. Conversion or Exercise Price of Derivative Security, 3. Transaction Date (Month/Day/Year), 3A. Deemed Execution Date, if any (Month/Day/Year), 4. Transaction Code (Instr. 8), 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5), 6. Date Exercisable and Expiration Date (Month/Day/Year), 7. Title and Amount of Underlying Securities (Instr. 3 and 4), 8. Price of Derivative Security (Instr. 5), 9. Number of Derivative Securities Beneficially Owned (Instr. 5). Includes sub-headers for Date Exercisable and Expiration Date, and Title or Number of Shares.

Reporting Owners

Table with 2 columns: Reporting Owner Name / Address, Relationships. Relationships include Director, 10% Owner, Officer, Other. Example: Xiao Deming, 79 GREAT OAKS BLVD, SAN JOSE, CA 95119; Pres. of MPS Asia Operations.

Signatures

By: Saria Tseng For: Deming Xiao 02/11/2014
**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) In accordance with the reporting person's 10b5-1 trading plan.
(2) Shares sold to pay tax obligations resulting from the vesting of restricted stock units.
The price is the weighted average sale price for the transactions reported on this line. The prices for the transactions reported on this line
(3) range from \$33.39 to \$34.09. 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.

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.