Xiao Deming Form 4 August 29, 2012

FORM 4

OMB APPROVAL

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

OMB Number: 3235-0287

Check this box if no longer subject to Section 16.

Expires: January 31, 2005

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Estimated average burden hours per response... 0.5

Form 4 or Form 5 obligations may continue. See Instruction

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).

Common

Stock

08/27/2012

(Print or Type Responses)

1. Name and Address of Reporting Person * Xiao Deming				2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS			5. Relationship of Reporting Person(s) to Issuer			
				INC [MPWR]			(Check all applicable)			
	(Last)	(First) (I			f Earliest Ti	ransaction	DirectorX Officer (give to		Owner er (specify	
	79 GREAT	08/27/2		/Day/Year) /2012		below)	below) [PS Asia Operations			
(Street)				4. If Ame	endment, Da	ate Original	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person			
				Filed(Moi	nth/Day/Year	r)				
SAN JOSE, CA 95119							Form filed by More than One Reporting Person			
	(City)	(State)	(Zip)	Tabl	le I - Non-I	Derivative Securities Acqu	uired, Disposed of, or Beneficially Owned			
	1.Title of	2. Transaction Date	2A. Deeme	ed	3.	4. Securities Acquired (A) 5. Amount of	6.	7. Nature o	
	Security	(Month/Day/Year)	Execution	Date, if	Transactio	nor Disposed of (D)	Securities	Ownership	Indirect	
	(Instr. 3)		any	Code	(Instr. 3, 4 and 5)	Beneficially	Form:	Beneficial		
			(Month/Da	y/Year)	(Instr. 8)		Owned	Direct (D)	Ownership	
							Following	or Indirect	(Instr. 4)	
						(Δ)	Reported	(I)		

Common Stock 08/27/2012 $S_{\underline{(1)}}$ 08/27/2012 $S_{\underline{(2)}}$ 08/27/2012 $S_{\underline{(2)}}$

 $M_{\underline{-}}^{(1)}$

Code V

Common Stock 10,228 I by Spouse

Amount

23,760

(A)

(D)

A

Price

\$

\$ 10.91 148,960

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form

SEC 1474

(9-02)

Transaction(s)

(Instr. 3 and 4)

(Instr. 4)

D

of

Edgar Filing: Xiao Deming - Form 4

displays a currently valid OMB control number.

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)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. Number of or 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 I S
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Incentive Stock Option (right to buy)	\$ 10.91	08/27/2012		M <u>(1)</u>	23,760	12/01/2005	12/07			

8. Price o Derivative Security (Instr. 5)