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

				_						ompany Act							
Name and Address of Reporting Person* Xiao Deming				M	2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC								Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner				
				. [M	[MPWR]												Owner (specify
(Last) (First) (Middle)					Date of Earliest Transaction (Month/Day/Year)								X	Officer (give title below)		below	` '
79 GREAT OAKS BLVD					08/06/2015									Pre	s. of MPS A	sia Operatio	ns
						4. If Amendment, Date of Original Filed (Month/Day/Year)							6. Individual or Joint/Group Filing (Check Applicable Line)				
(Street) SAN JOSE CA 95119													X	,			
	L C1			.										Form filed by More than One Reporting			porting
(City) (State) (Zip)														Pers	on		
		Tabl	e I - Non-Deri	vative	Secu	urities A	cqu	uired	, Di	sposed o	f, or B	enefi	cially	Own	ed		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			2. Transacti Date (Month/Day		2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8)		4. Securities Acquired (A Disposed Of (D) (Instr. 3, 5)			4 and Securi Benefi Owned		ficially ed	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership	
							Co	ode	v	Amount	(A) or (D)	Price	•	Following Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)	(Instr. 4)
Common Stock 08/06/20							5	S ⁽¹⁾		1,199	D	\$50	.4786	2	43,896	D	
Common Stock 08/06/				15			5	S ⁽¹⁾		2,187	D	\$50	.4787		41,709	D	
Common Stock															1,237	I	by Spouse
		Та	ble II - Deriva (e.g., p							osed of, convertib				wned			
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)	Code	action (Instr.	5. Number of Derivative Securitie Acquired (A) or Disposed of (D) (Instr. 3, and 5)	e (I	6. Date Expirat Month	tion [7. Title and Amount of Securities Underlying Derivative Security (Inst 3 and 4)		of Deri Sec (Ins	Price ivative urity str. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership
				Code	v	(A) (D)		Date Exercis		Expiration Date	Title	Amour or Number of Shares	er				

Explanation of Responses:

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

By: Saria Tseng For: Deming Xiao 08/06/2015

** 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.