FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL							
OMB Number:	3235-0287						
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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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name ar	MO	2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]									all app	plicable) ctor		Owner				
(Last) 79 GREA	3. Date of Earliest Transaction (Month/Day/Year) 11/12/2012									X	belo	,	below Asia Operatio	,				
(Street) SAN JOS (City)	SAN JOSE CA 95119					4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Indiv Line) X	ridual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person			
(===,7)				Non-Deriv	ative \$	Secu	ırities A	cauii	red.	. Dis	sposed of	f. or B	enefic	ially	Own	ed		
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Y				n 2. (ear) if	2A. Deemed Execution Date,			3. 4. Securi Transaction Disposed Code (Instr. 5)			s Acqui	red (A)	or 5. Amou Securiti Benefic Owned		ount of 6 fities Ficially (I	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership	
					Code	е	v	Amount	(A) or (D)	Price		Following Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)	(Instr. 4)			
Common	Common Stock 1				12			S ⁽¹	1)		1,769	D	\$19.	.3597 1		19,301	D	
Common Stock																10,003	I	by Spouse
		Та	ble II	I - Derivat (e.g., ρι							osed of, convertib				wned	I		
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	Execu if any	eemed ution Date, , th/Day/Year)	4. Transaction Code (Instr.		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, and 5)	f 6. Date Exer Expiration I (Month/Day/			ate			Secu (Inst	vative	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership
				Co		v	(A) (D)	Date Exercisable		Expiration Date	Title	Amoun or Numbe of Shares						

Explanation of Responses:

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

By: Saria Tseng For: Deming Xiao

11/14/2012

** 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.