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

1. Name an	MO	2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC MPWR									all app			% Owner					
(Last) (First) (Middle) 79 GREAT OAKS BLVD						3. Date of Earliest Transaction (Month/Day/Year) 11/08/2012								X	belov	′	Other (specify below) usia Operations		
(Street) SAN JOS (City)	NJOSE CA 95119					4. If Amendment, Date of Original Filed (Month/Day/Year)								3. Indiv Line) X	Form	lual or Joint/Group Filing (Check Applicable 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/Ye				rear) it	Execution Date,			3. Transa Code (Securities Acquired (A) Disposed Of (D) (Instr. 3,			Secur Benet Owne	ficially d	6. Owners Form: Dire (D) or Indirect (I)	of Indirect Beneficial Ownership		
									Code	v	Amount	(A) or (D)	Price				(Instr. 4)	(Instr. 4)	
Common Stock 11/08/20						2			S ⁽¹⁾		1,929	D	\$18.	8598	13	21,070	D		
Common Stock															1	10,003		by Spouse	
	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)	ivative Conversion Date Execution Date urity or Exercise (Month/Day/Year) if any		cution Date,		ransaction of Derivation (A) or Dispose of (D) (Instr. 3 and 5)		rative rities ired r osed)	Expir (Mon	te Exer ation I th/Day	Year)	7. Title and Amount of Securities Underlying Derivative Security (Instr 3 and 4) Amoun or Numbo of Title Shares		8. Price of Derivative Security (Instr. 5)		9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Owners Form: Direct (or Indi (I) (Inst	Beneficial Ownership ect (Instr. 4)		

Explanation of Responses:

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

By: Meera Rao For: Deming
Xiao

** Signature of Reporting Person

11/09/2012

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.