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

Name and Address of Reporting Person* Rao Meera					MO MP	2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]											tionship of Reporti all applicable) Director Officer (give title below)		10% C		Owner (specify
(Last) 79 GRE	Last) (First) (Middle) 79 GREAT OAKS BLVD					3. Date of Earliest Transaction (Month/Day/Year) 01/10/2013											belov	′	FO	below)	
(Street) SAN JOS (City)			95119 Zip)		4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)											ndividual or Joint/Group Filing (Check Applicable e) X 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/					y/Year)	Execution Date,					3. Transaction Code (Instr. 8) 4. Securities Acquired Disposed Of (D) (Instr. and 5)						5. Am Secur Benef Owner	icially d	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)
									Code	v	Amoun	mount		Pric	e	Repor Trans		(mau. +)		(111501. 4)	
Common Stock 01/10/20					2013	013			M ⁽¹⁾		500		A	\$13	3.53	9	92,531		D		
Common Stock 01/10/20					2013)13				S ⁽¹⁾		500		D	\$2	23		92,031		D	
	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)	if any	emed ion Date, /Day/Year)	4. Transact Code (In 8)		on Number E			. Date Exer Expiration I Month/Day		Amount of Securities Underlying Derivative Security (In: and 4)		f g nstr. 3	of Der Sec (Ins	Price ivative surity str. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr.		Beneficial Ownership	
					Code	de V		(D)		ate xercisable		piration te	Title		Amount or Number of Shares						
Non- Qualified Stock Option (right to buy)	\$13.53	01/10/2013			M ⁽¹⁾			500	0	01/05/2010	01/	05/2016	Comr		500	,	\$0.0	16,000		D	

Explanation of Responses:

1. In accordance with the reporting person's 10b5-1 trading plan.

By: Saria Tseng For: Meera 01/11/2013

** 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.