FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL								
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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

Name and Address of Reporting Person* Rao Meera						2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]										ionship of Reportin all applicable) Director Officer (give title		10% C			
(Last) (First) (Middle) 79 GREAT OAKS BLVD						3. Date of Earliest Transaction (Month/Day/Year) 11/06/2012									Λ.	belo	,	FO	below)		
(Street) SAN JOS (City)			5119 Zip)		4. If A	mend	lment,	ment, Date of Original Filed (Month/Day/Year)							Indiv ne) X	Form	or Joint/Group Filing (Check Applicable m filed by One Reporting Person m filed by More than One Reporting rson				
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,						ties Acquired (A			3, 4 Sec Ben Owr		ount of ities icially d wing		ect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
									Code	v	Amount	(A (D) or)	Price		Reported Transaction(s) (Instr. 3 and 4)		(,	(,	
Common Stock 11/06/						012			S ⁽¹⁾		87		D	\$19	9.45		4,228		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. 3. Transaction Date (Month/Day/Year) Price of Derivative Security 3. Transaction Date (Execution Date, if any (Month/Day/Year)			ransaction of Derivative Securitive (A) or Dispose of (D) (Instr. 3, and 5)		rative rities ired r osed)	C. Date Exercisable and Expiration Date (Month/Day/Year) Date Exercisable Expiration Date			Amount of Securities Underlying Derivative Security (Instr 3 and 4)			8. Price of Derivative Security (Instr. 5)		9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ov Fo Di or (I) 4)	wnership orm: rect (D) Indirect (Instr.	11. Nature of Indirect Beneficial Ownership (Instr. 4)			

Explanation of Responses:

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

<u>Meera Rao</u> <u>11/06/2012</u>

** 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.