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

Name and Address of Reporting Person* Tseng Saria						2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]									heck a	ionship of Reporting all applicable) Director Officer (give title		ng Pe	10% C	
(Last) (First) (Middle) 79 GREAT OAKS BLVD						3. Date of Earliest Transaction (Month/Day/Year) 08/24/2012									X	below) VP & General			below)	
(Street) SAN JOS (City)			5119 Zip)		4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)									ne) X	Form	or Joint/Group Filing (Check Applicable in filed by One Reporting Person in filed by More than One Reporting son			
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,						ities Acquired (A			B, 4 Secu Bend Own		rrities I eficially (ed I		wnership n: Direct or rect (I) tr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
									Code	v	Amount	(A (D) or)	Price	Re e Tra		ported nsaction(s) str. 3 and 4)		,	(
Common Stock 08/24/2)12			S ⁽¹⁾		4,000	1	D	\$22.	2.43		90,763		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	onversion Date Execution Date, if any incle of erivative			Transaction Code (Instr. 8)		mber ative rities ired sed . 3, 4	6. Date Expiration (Month/E	on Da	Securities Underlyin Derivative Security (I 3 and 4) An or Nu Expiration		nt of ities lying ative ity (In 4)	ount nber	8. Prio of Derive Secur (Instr.	ative ity	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	, C F O (I 4	0. Ownership Form: Direct (D) Or Indirect I) (Instr.	11. Nature of Indirect Beneficial Ownership (Instr. 4)	

Explanation of Responses:

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

By: Meera Rao For: Saria
Tseng

08/24/2012

** 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.