FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL							
OMB Number: 3235-028							
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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* Hsing Michael				2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]						Ch (Ch	Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner					
(Last) (First) (Middle) 79 GREAT OAKS BLVD				3. Date of Earliest Transaction (Month/Day/Year) 12/31/2012							X Officer (give title Other (spec below) below) CEO					
(Street) SAN JOS	SE CA	\ 9	5119	4. If Amendment, Date of Original Filed (Month/Day/Year)						Lin	6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting					
(City)	(St		Zip)		141			D:		D		Pers				
1. Title of Security (Instr. 3) 2. Transaction Date		2. Transaction	2A. Deemed Execution Date,		3. Transaction Code (Instr.		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 an			or	5. Amou Securiti Benefic Owned	int of es ially	6. Ownership Form: Direct (D) or Indirect (I)		7. Nature of Indirect Beneficial Ownership	
						Code	v	Amount	(A) or (D)	r Price		Following (I Reported Transaction(s) (Instr. 3 and 4)		(Instr.	nstr. 4)	(Instr. 4)
Common	Stock		01/02/2013			S ⁽¹⁾		2,998	D		\$23	652	,144	1	D	
Common Stock		01/03/2013			S ⁽¹⁾		15,337	D	\$23	.0829(2)	636,807]	D		
Common	Stock		12/31/2012			J ⁽³⁾		33,000	D		\$0.0	465	,566		I	By Jointly w/Spouse
Common	Stock		12/31/2012			G ⁽³⁾		33,000	A		\$0.0	33,	,000		I	Hsing Fam Foundation
Common	Stock	k			133,040			By S. Hsing 04 Trust								
Common Stock											133	,040		I	by M Hsing 04 Trust	
		Та	ble II - Derivati (e.g., pu					Disposed ns, conve				Owned		<u> </u>	'	
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	Exercise (Month/Day/Year) ice of erivative	3A. Deemed Execution Date, if any	4. Transaction of Code (Instr. 8) Sec. Acq (A) of Dispression of (I		vative urities uired or oosed O) tr. 3, 4	Expira	e Exercisable and tion Date n/Day/Year)				8. Price of Derivative Security (Instr. 5)	9. Numb derivativ Securitie Beneficia Owned Followin Reported Transact (Instr. 4)	e ally g d ion(s)	Ownershi Form: Direct (D) or Indirec (I) (Instr. 4)	Beneficial) Ownership
				Code	V (A)		Date Exercis	Expira		O N O	umber					

Explanation of Responses:

- 1. In accordance with the reporting person's 10b5-1 trading plan.
- 2. The price is the weighted average sale price for the transactions reported on this line. The prices for the transactions reported on this line range from \$23.00 to \$23.17. The reporting person undertakes to provide, upon request by the staff of the Securities and Exchange Commission, the issuer, or a security holder of the issuer, full information regarding the number of shares sold at each separate price.
- 3. Gifted from the Reporting Person's joint account with his spouse to the Hsing Family Foundation.

By: Saria Tseng For: Michael

01/03/2013

** 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 ir	nformation contained in this form	n are not required to respond	unless the form displays a curre	ntly valid OMB Number.