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* Hsing Michael					2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]								Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner X Officer (give title Other (specify				
(Last) (First) (Middle) 6409 GUADALUPE MINES ROAD					3. Date of Earliest Transaction (Month/Day/Year) 04/04/2007								below)		below		
(Street) SAN JOSE CA 95120				4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)								Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting				
(City)	(St		ip)	vativa.	tive Securities Acquired, Disposed of, or Beneficially Owned												
1. Title of Security (Instr. 3)			2. Transaction Date (Month/Day/Yea	2A. Exe	2A. Deemed Execution Date,		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) of Disposed Of (D) (Instr. 3, 4		ed (A) or	or 5. Amount of		Amount of curities neficially ned	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
							Code V		Amount	(A) or (D) Price				rted action(s)			
Common	Stock		04/04/2007	7			S ⁽¹⁾		2,500	D	\$12.8	716(2)	3	13,397	I	By Jointly w/Spouse	
Common	Stock		04/05/2007	7			S ⁽¹⁾		5,000	D	\$12.9	604(2)	30	08,397	I	By Jointly w/Spouse	
Common	Stock												82	22,144	D		
Common	Stock												13	33,040	I	By S. Hsing 04 Trust	
Common Stock												13	33,040	I	by M Hsing 04 Trust		
		Та	ble II - Derivat (e.g., pt						sposed of, , convertil				wned	<u> </u>			
Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	Date (Month/Day/Year) it	3A. Deemed Execution Date, if any	4. Transa	4. Fransaction Code (Instr.		ber 6.	Date Ex	cercisable and			8. P of Der Sec (Ins	derivative securities Beneficia tr. 5) Owned Following Reported	Following Reported Transaction	Ownershi Form: Direct (D) or Indirec (I) (Instr.	Beneficial Ownership	
				Code	v	(A) (I	Da D) Ex	te ercisab	Expiration le Date	Title	Amou or Numb of Shares	er					

Explanation of Responses:

- 1. In accordance with the reporting person's 10b5-1 trading plan.
- 2. Average price per share

Michael Hsing 04/05/2007

** Signature of Reporting Person Da

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.