

**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

<b>1. Name and Address of Reporting Person*</b> <u>Hsing Michael</u>  (Last) (First) (Middle) <u>6409 GUADALUPE MINES ROAD</u>  (Street) <u>SAN JOSE CA 95120</u>  (City) (State) (Zip)			<b>2. Issuer Name and Ticker or Trading Symbol</b> <u>MONOLITHIC POWER SYSTEMS INC</u> <u>[ MPWR ]</u>		<b>5. Relationship of Reporting Person(s) to Issuer</b> (Check all applicable)  <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below)  <p style="text-align: center;"><b>CEO</b></p>	
			<b>3. Date of Earliest Transaction (Month/Day/Year)</b> <u>10/25/2007</u>			
			<b>4. If Amendment, Date of Original Filed (Month/Day/Year)</b>		<b>6. Individual or Joint/Group Filing (Check Applicable Line)</b> <input checked="" type="checkbox"/> 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/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	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			
Common Stock	10/25/2007		S <sup>(1)</sup>		200	D	\$22.41	164,297	I	By Jointly w/Spouse
Common Stock	10/25/2007		S <sup>(1)</sup>		300	D	\$22.42	163,997	I	By Jointly w/Spouse
Common Stock	10/25/2007		S <sup>(1)</sup>		100	D	\$22.43	163,897	I	By Jointly w/Spouse
Common Stock	10/25/2007		S <sup>(1)</sup>		300	D	\$22.44	163,597	I	By Jointly w/Spouse
Common Stock	10/25/2007		S <sup>(1)</sup>		100	D	\$22.5	163,497	I	By Jointly w/Spouse
Common Stock								822,144	D	
Common Stock								133,040	I	By S. Hsing 04 Trust
Common Stock								133,040	I	by M Hsing 04 Trust

**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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and 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(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V		Date Exercisable	Expiration Date					
						(A) (D)			Title Amount or Number of Shares				

**Explanation of Responses:**

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

By: Saria Tseng For: Michael 10/25/2007  
Hsing

\*\* 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.**