

Hsing Michael
Form 4
September 13, 2007

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0287
Expires: January 31, 2005
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 OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
Hsing Michael

2. Issuer Name and Ticker or Trading Symbol
MONOLITHIC POWER SYSTEMS INC [MPWR]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
6409 GUADALUPE MINES ROAD
(Street)

3. Date of Earliest Transaction (Month/Day/Year)
09/12/2007

Director 10% Owner
 Officer (give title below) Other (specify below)
CEO

SAN JOSE, CA 95120

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

(City) (State) (Zip)

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)
				(A) or (D) Code V Amount Price			
Common Stock	09/12/2007		S ⁽¹⁾	300 D \$ 21.63	236,397	I	By Jointly w/Spouse
Common Stock	09/12/2007		S ⁽¹⁾	400 D \$ 21.65	235,997	I	By Jointly w/Spouse
Common Stock	09/12/2007		S ⁽¹⁾	200 D \$ 21.66	235,797	I	By Jointly w/Spouse
Common Stock	09/12/2007		S ⁽¹⁾	300 D \$ 21.67	235,497	I	By Jointly w/Spouse
Common Stock	09/12/2007		S ⁽¹⁾	300 D \$ 21.68	235,197	I	By Jointly w/Spouse

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Common Stock	09/12/2007	<u>S</u> (1)	200	D	\$ 21.69	234,997	I	By Jointly w/Spouse
Common Stock	09/12/2007	<u>S</u> (1)	501	D	\$ 21.7	234,496	I	By Jointly w/Spouse
Common Stock	09/12/2007	<u>S</u> (1)	299	D	\$ 21.71	234,197	I	By Jointly w/Spouse
Common Stock	09/12/2007	<u>S</u> (1)	300	D	\$ 21.72	233,897	I	By Jointly w/Spouse
Common Stock	09/12/2007	<u>S</u> (1)	500	D	\$ 21.73	233,397	I	By Jointly w/Spouse
Common Stock	09/12/2007	<u>S</u> (1)	700	D	\$ 21.74	232,697	I	By Jointly w/Spouse
Common Stock	09/12/2007	<u>S</u> (1)	900	D	\$ 21.75	231,797	I	By Jointly w/Spouse
Common Stock	09/12/2007	<u>S</u> (1)	300	D	\$ 21.76	231,497	I	By Jointly w/Spouse
Common Stock	09/12/2007	<u>S</u> (1)	700	D	\$ 21.77	230,797	I	By Jointly w/Spouse
Common Stock	09/12/2007	<u>S</u> (1)	300	D	\$ 21.78	230,497	I	By Jointly w/Spouse
Common Stock	09/12/2007	<u>S</u> (1)	600	D	\$ 21.79	229,897	I	By Jointly w/Spouse
Common Stock	09/12/2007	<u>S</u> (1)	700	D	\$ 21.8	229,197	I	By Jointly w/Spouse
Common Stock	09/12/2007	<u>S</u> (1)	500	D	\$ 21.81	228,697	I	By Jointly w/Spouse
Common Stock	09/12/2007	<u>S</u> (1)	300	D	\$ 21.82	228,397	I	By Jointly w/Spouse
Common Stock	09/12/2007	<u>S</u> (1)	200	D	\$ 21.83	228,197	I	By Jointly w/Spouse
Common Stock	09/12/2007	<u>S</u> (1)	200	D	\$ 21.85	227,997	I	By Jointly w/Spouse
Common Stock	09/12/2007	<u>S</u> (1)	100	D	\$ 21.87	227,897	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

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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 control number.

SEC 1474
(9-02)

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 Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction (Instr. 6)
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Hsing Michael 6409 GUADALUPE MINES ROAD SAN JOSE, CA 95120	X		CEO	

Signatures

Michael Hsing 09/13/2007
 __Signature of Date
 Reporting Person

Explanation of Responses:

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

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