

SECURITIES AND EXCHANGE COMMISSION

FORM 4

Statement of changes in beneficial ownership of securities

Filing Date: **2006-05-08** | Period of Report: **2006-05-08**
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ISSUER

MONOLITHIC POWER SYSTEMS INC

CIK: **1280452** | IRS No.: **770466789** | State of Incorporation: **CA** | Fiscal Year End: **1231**
SIC: **3674** Semiconductors & related devices

Mailing Address
983 UNIVERSITY AVE
BLDG A
LOS GATOS CA 95032-7637

Business Address
983 UNIVERSITY AVE
BLDG A
LOS GATOS CA 95032-7637
(408) 357-6600

REPORTING OWNER

Hsing Michael

CIK: **1308676**
Type: **4** | Act: **34** | File No.: **000-51026** | Film No.: **06818265**

Mailing Address
983 UNIVERSITY AVENUE
BUILDING A
LOS GATOS CA 95032-7637

Business Address
(408) 357-6600

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

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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, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

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) <input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) CEO		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 05/08/2006					
983 UNIVERSITY AVENUE, BUILDING A			4. If Amendment, Date Original Filed(Month/Day/Year)			6. Individual or Joint/Group Filing (Check applicable line) <input checked="" type="checkbox"/> Form Filed by One Reporting Person <input type="checkbox"/> Form Filed by More than One Reporting Person		
(Street) LOS GATOS, CA 95032								
(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)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	05/08/2006		S	(1)	9,967	D	\$18.1 (2)	286,539	I	By Jointly w/Spouse
Common Stock	05/08/2006		S		25,000	D	\$17.812 (2)	261,539	I	By Jointly w/Spouse
Common Stock								822,144	D	
Common Stock								199,219	I	By S. Hsing 04 Trust
Common Stock								199,219	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 of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V		(A)	(D)					

