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

1. Name a Xiao D (Last) 6409 GU (Street) SAN JOS	MO [MP 3. Da 08/1	2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR] 3. Date of Earliest Transaction (Month/Day/Year) 08/17/2007 4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Line) X Form filed by One			10% Owner Other (specify below)					
(City)	(St	ate) (.	Zip)												Perso				J
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
1. Title of Security (Instr. 3) 2. Transacti Date (Month/Day					2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transacti Code (In: 8)		4. Securities Acquired (Disposed Of (D) (Instr. 3 and 5)				5. Amo Securit Benefic Owned	ies cially	6. Ownership Form: Direct (D) or Indirect (I)		7. Nature of Indirect Beneficial Ownership		
									Code	v	Amount	(A (D		Price			(Instr.	4)	(Instr. 4)
Common Stock 0				08/17/2	2007				М		12,54	4 .	A	\$0.8	38	38,919		D	
Common Stock 08/17				08/17/2	2007				S		12,54	4)	\$19.2	6 26	5,375]	D	
Common Stock														86	5,333			By Parent	
Common Stock															2	,568			by Spouse ⁽¹⁾
	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)		n of		6. Date Exercisable a Expiration Date (Month/Day/Year)			and 7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)			8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	Ownership Form: y Direct (D) or Indirect (I) (Instr. 4)	wnership orm: irect (D) r Indirect) (Instr.	11. Nature of Indirect Beneficial Ownership (Instr. 4)
						v	(A)	(D)	Date Exercisable		xpiration ate	Title	or Nu of	ount mber ares					
Incentive Stock Option (right to buy)	\$0.8	08/17/2007			M			12,544	11/17/2004	0	1/16/2012	Commo Stock	12	,544	\$19.26	0		D	

Explanation of Responses:

1. Represent shares owned by the reporting person's spouse.

By: Rick Neely For: Deming <u>Niao</u> 08/20/2007

** Signature of Reporting Person Date

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

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.

 $^{^{\}star}$ 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).