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 ]									5. Relationship of Re Check all applicable X Director Officer (give		cable) r	10% O		Owner
(Last) (First) (Middle) 79 GREAT OAKS BLVD					3. Date of Earliest Transaction (Month/Day/Year) 11/06/2012									X	elow)		below)			
	SAN JOSE CA 95119					4. If Amendment, Date of Original Filed (Month/Day/Year)									ne) <mark>X</mark> Fo	lividual or Joint/Group Filing (Check Applica Form filed by One Reporting Person Form filed by More than One Reporting Person				son
(City)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
1. Title of Security (Instr. 3) 2. Transi Date			2. Transacti	on 2 (Year) i	2A. Deemed Execution Date,		3. Transaction Code (Instr.		4. Securities Acquired (AD Disposed Of (D) (Instr. 3 and 5)				r 5. A Sec Ben Owr	Amount of ecurities eneficially wned		6. Ownership Form: Direct (D) or Indirect (I)		7. Nature of Indirect Beneficial Ownership		
								Code	v	Amount (A)		A) or D)	Price	Rep Trai	Following Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)		(Instr. 4)	
Common Stock			11/06/2012				<b>S</b> <sup>(1)</sup>		714		D	\$19.4	15	665,546		D				
Common Stock															498,	,566	I		By Jointly w/Spouse	
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)	Execu if any	eemed ition Date,	4. Transac	ansaction de (Instr.		mber rative rities ired r osed ) . 3, 4		xerci	isable and	7. Title and Amount of Securities Underlying Derivative Security (Inst 3 and 4)		nstr.	8. Price of Derivative Security (Instr. 5)		Number of erivative ecurities eneficially wined ollowing eported ransaction nstr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisa		Expiration Date	Title	or Nu of	mber ares	1					

## Explanation of Responses:

1. Shares sold to pay tax obligations resulting from the vesting of restricted stock units.

By: Meera Rao For: Michael 11/06/2012 Hsing

\*\* Signature of Reporting Person

Date

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

- $^{\star}$  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).

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.