## 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

1. Name and Address of Reporting Person <sup>*</sup> CHANG KUO WEI HERBERT					MC	2. Issuer Name and Ticker or Trading Symbol <u>MONOLITHIC POWER SYSTEMS INC</u> [ MPWR ]									(Check all ap X Dire		tor		10% O	wner
(Last) 6409 GL	ast) (First) (Middle) 409 GUADALUPE MINES ROAD					3. Date of Earliest Transaction (Month/Day/Year) 02/29/2012										Office below	er (give title w)		Other ( below)	specify
(Street) SAN JOSE CA 95120 (City) (State) (Zip)					= 4. If <i>i</i>	4. If Amendment, Date of Original Filed (Month/Day/Year)										) K Form Form	vidual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person			
Table I - Non-Deriva           1. Title of Security (Instr. 3)         2. Transaction Date (Month/Day/Yea)					n 2A Ex ear) if a	2A. Deemed Execution Date,			Acquired, D 3. Transaction Code (Instr. 8)			A Securities Acquired (A) of Disposed Of (D) (Instr. 3, 4			r	5. Amo Securi Benefi Owned	ount of 6. ties Fe cially (E		Ownership m: Direct or irect (I)	7. Nature of Indirect Beneficial Ownership
									Code V		A	mount	(A) or (D) Price						str. 4)	(Instr. 4)
Common Stock 02/29/2012					2				М			15,000	Α	\$1 <del>6</del>	16.97 10		06,035		D	
Common Stock 02/29/2012				2			S			15,000 D \$18.		<b>\$18.9</b>	852(	(1) 91,035			D			
		т	abl	e II - Deriva (e.g., p								osed of, convertil				Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	Exe if a	Deemed ecution Date, ny onth/Day/Year)	4. Transaction Code (Instr 8)		5. Numbe of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		Expiration I (Month/Day		Date	e	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)			8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	у	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership
					Code	v	(A)	(D)	Date	cisable		Expiration Date	Title	Amou or Numb of Share	ber					
Non- Qualified Stock Option	\$16.97	02/29/2012			М			15,00	0 05/2	24/2008	0	05/24/2014	Commor Stock	<sup>1</sup> 15,0	00	\$0.0	0.0		D	

Explanation of Responses:

(right to buy)

1. The price is the weighted average sale price for the transactions reported on this line. The prices for the transactions reported on this line range from \$18.691 to \$19.20. The reporting person undertakes to provide, upon request by the staff of the Securities and Exchange Commission, the issuer, or a security holder of the issuer, full information regarding the number of shares sold at each separate price.

By: Meera Rao For: Herbert	02/29/2012
Chang	02/29/2012
** 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.