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 [®] CHANG KUO WEI HERBERT						2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]								Check a	II app Direc	blicable)		erson(s) to Issuer	
(Last) 79 GRE	ast) (First) (Middle)				3. Date of Earliest Transaction (Month/Day/Year) 08/29/2012									Offic belo	icer (give title ow)		Other (specify below)		
(Street)				4. lf	4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicable ne) X Form filed by One Reporting Person					
	AN JOSE CA 95119			-										Form filed by More than One Reporting Person					
(City)	(S)		(Zip)			_			<u> </u>										
Table I - Non-Deriva 1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Yea)					n 2. E ear) if	2A. Deemed Execution Date,			3. Transac Code (Ir 8)	tion	4. Securiti	sposed of, or Benefic 4. Securities Acquired (A) on Disposed Of (D) (Instr. 3, 4 a			or 5. Amoun		Form (D) o	rect (I)	7. Nature of Indirect Beneficial Ownership
									Code	v	Amount	(A) or (D)	Price		Repo Trans	eported ransaction(s) nstr. 3 and 4)		1.4)	(Instr. 4)
Common Stock 08/29/2012					2			М		2,000	A	\$20	\$20.2		93,035		D		
Common Stock 08/29/2012				2	2			S		2,000	D	\$22.01	2.0109(1)		91,035		D		
	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)	Exe if a	if any		4. Transaction Code (Instr. 8)		mber civative curities quired or posed D) str. 3, nd 5)			ate	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 (Instr. 4)	0 F(0 (1) 4)	wnership orm: irect (D) r Indirect) (Instr.	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercis	able	Expiration Date	Title	Amoun or Number of Shares	1					
Non- Qualified Stock Option (right to buy)	\$20.2	08/29/2012			М			2,000	02/02/2	2011	02/09/2017	Common Stock	2,000	\$0.	0	2,000		D	

Explanation of Responses:

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 \$22.000398 to \$22.100381. 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	00/20/2012
Chang	08/30/2012

** 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.