FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

OMB APPROVAL								
OMB Number:	3235-0287							
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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*     CHANG KUO WEI HERBERT						2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [ MPWR ]									heck all	app irect	ship of Reporting Fapplicable) rector		10% C	)wner
(Last) (First) (Middle) 6409 GUADALUPE MINES ROAD					3. Date of Earliest Transaction (Month/Day/Year) 02/14/2012											Officer (give title below)			Other (speci below)	
(Street) SAN JOS	Street) SAN JOSE CA 95120					4. If Amendment, Date of Original Filed (Month/Day/Year)									ne) X F	fual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(Sta	ate) (Z	Zip)																	
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																				
1. Title of Security (Instr. 3)  2. Transac Date (Month/Da					y/Year)	Execu	Deemed cution Date, by nth/Day/Year)		Transaction Dispo			rities Acquired ( ed Of (D) (Instr. 3			3, 4 Secur Benet Owne		cially	Form (D) o Indir	ect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
						Code V		Amount		(A) or (D)	Price	Re Tr	Following Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)		(IIISU. 4)			
Common	2012				A		4,8350	(1)	A	\$ <mark>0</mark> .	0	91,035		D						
Common Stock																	31,189		I	By Investar Capital <sup>(2)</sup>
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)	te Execution Date,			tion nstr.	5. Nu of Deriv. Secur Acqu (A) or Dispc of (D) (Instr and 5	ative rities ired sed	6. Date Exercisable and Expiration Date (Month/Day/Year)  Date Expiration Exercisable Date			7. Title and Amount of Securities Underlying Derivative Security (Instr 3 and 4)  Amou or Numb of Title Share:		ount nber	ıt r		9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)		0. Ownership orm: birect (D) r Indirect ) (Instr. )	11. Nature of Indirect Beneficial Ownership (Instr. 4)

## Explanation of Responses:

- 1. According to the Company's 2004 Equity Incentive Plan and the Board Compensation Schedule as adopted by the Board on February 7, 2012, each Outside Director will be automatically granted Restricted Stock Units as of such date, if he or she will have served on the Board for at least the preceding six (6) months, with such grant to be effective as of the first day that the Company's trading window re-opens (or as of the date of the meeting of the Board or Compensation Committee, as applicable, if the Company's trading window is open on such date), subject to the Outside Director's continued service to the Board through such date.
- 2. Reporting person is the partner of InveStar Capital, Inc. Mr. Chang retains beneficial ownership of these shares, but disclaims the economic benefit except to his pecuniary interests, if any.

By: Saria Tseng For: Herbert <u>02/16/2012</u>

\*\* 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.