

CHANG KUO WEI HERBERT

Form 4

August 10, 2012

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0287
Expires: January 31, 2005
Estimated average burden hours per response... 0.5

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
CHANG KUO WEI HERBERT

2. Issuer Name and Ticker or Trading Symbol
MONOLITHIC POWER SYSTEMS INC [MPWR]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
79 GREAT OAKS BLVD
(Street)

3. Date of Earliest Transaction (Month/Day/Year)
08/09/2012

Director 10% Owner
 Officer (give title below) Other (specify below)

SAN JOSE, CA 95119

(City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code		4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)	
			Code	V	Amount	(A) or (D)				Price
Common Stock	08/09/2012		M		12,000	A	\$ 12.86	103,035	D	
Common Stock	08/09/2012		S		12,000	D	\$ 21.1 (1)	91,035	D	
Common Stock	08/10/2012		M		8,000	A	\$ 12.86	99,035	D	
Common Stock	08/10/2012		S		8,000	D	\$ 21.0538 (2)	91,035	D	

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

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SEC 1474
(9-02)

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)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Security (Instr. 3 and 4)	8. Amount or Number of Shares of Underlying Security
Non-Qualified Stock Option (right to buy)	\$ 12.86	08/09/2012		M	12,000	02/18/2010 02/18/2016	Common Stock	12,000
Non-Qualified Stock Option (right to buy)	\$ 12.86	08/10/2012		M	8,000	02/18/2010 02/18/2016	Common Stock	8,000

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
CHANG KUO WEI HERBERT 79 GREAT OAKS BLVD SAN JOSE, CA 95119		X		

Signatures

By: Meera Rao For: Herbert Chang 08/10/2012

**Signature of Reporting Person Date

Explanation of Responses:

* 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).

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 \$21.00 to \$21.20. 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.

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 \$21.00 to \$21.10. 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.

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Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.
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