FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL								
OMB Number: 3235-02								
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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* Rao Meera (Last) (First) (Middle) 79 GREAT OAKS BLVD					MO [MP 3. Dat 12/1	2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR] 3. Date of Earliest Transaction (Month/Day/Year) 12/17/2015									k all applic Directo Officer below)	cable) r (give title	FO	10% Ov Other (s below)	vner pecify
(Street) SAN JOS (City)			25119 Zip)		4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)								Indi ne) X	,				
		Tabl	e I - N	lon-Deriv	ative S	Sec	uriti	ies Acq	uired,	Disp	osed of,	, or Be	neficia	ally	Owned				
1. Title of Security (Instr. 3) 2. Transacti Date (Month/Day)						Execution Date,			Transaction Dispo			, 				es ally ng	Form (D) o	n: Direct r ect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
									Code	v	Amount	(A) o (D)	r Pric	В	Transac (Instr. 3	tion(s)			
Common Stock 12/17				12/17/2	015(1)				M ⁽¹⁾		36,000	1) A	\$0	.0	211	211,453		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)	3A. Deemed Execution Date, if any (Month/Day/Year)		4. Transac Code (Ir 8)	of Der nstr. Securi Acqui or Dis of (D)		Jumber Derivative urities juired (A) Disposed D) (Instr. and 5)	6. Date Expirati (Month/	on D		7. Title a Amount Securitie Underly Derivatie Security and 4)	of es ing ve	3 nt	8. Price of Derivative Security (Instr. 5)	9. Numbe derivative Securities Beneficia Owned Following Reported Transacti (Instr. 4)	e s illy g	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisa	able	Expiration Date	Title	of Share:	,					
Performance Shares	(2)	12/17/2015 ⁽¹⁾			M ⁽¹⁾		36,000(1)		(2)		(2)	Common Stock	36,000		\$0.0	0		D	

Explanation of Responses:

- 1. Each performance share represents a contingent right to receive a restricted stock unit upon MPWR's common stock achieving a 20-day average closing price of \$56.00 per share from January 1, 2014 through December 31, 2018 (the "Performance Period"). Credited performance units are still subject to an additional, quarterly, five-year time-based vesting schedule beginning January 1, 2019, subject to acceleration under certain circumstances.
- 2. Each performance unit will vest as follows: one share of MPWR common stock will be credited for each performance unit if the price of MPWR common stock achieves a 20-day average closing price of \$40.00 per share from January 1, 2014 through December 31, 2018 (the "Performance Period"), and up to four additional shares will be credited for each performance unit if the 20-day average closing price reaches \$43.00, \$47.00, \$52.00 and \$56.00 (that is, one share per price level) during the Performance Period. Credited performance units are then subject to an additional, quarterly, five-year time-based vesting schedule beginning January 1, 2019, subject to acceleration under certain circumstances.

By: Saria Tseng For: Meera Rao

12/21/2015

** 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.