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 ar Xiao D (Last)	<u>MO</u>	2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [ MPWR ]  3. Date of Earliest Transaction (Month/Day/Year)									(Check al		onship of Reporting F Il applicable) Director Officer (give title below)		Person(s) to Issuer  10% Owner  Other (specify below)					
(Last) (First) (Middle) 79 GREAT OAKS BLVD						10/24/2016											s. of MPS	Asia (	,	
(Street)						4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable Line)					
SAN JOS	E CA	A 9	5119												X	Form filed by More than One Reporting				
(City)	(St	ate) (Z	Zip)													Pers	on			
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
Date				2. Transact Date (Month/Day	//Year)	Execu	Deemed ecution Date, my onth/Day/Year)				ities Acquired ( d Of (D) (Instr. 3			, 4 Secur		rities F ficially ( ed I		wnership m: Direct or rect (I) tr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
						Code	v	Amount		(A) or (D)	Price	,	Reported Transaction(s) (Instr. 3 and 4)		(58. 4)		(mau. <del>1</del> )			
Common Stock 10/24/20					016				S <sup>(1)</sup>		11		D	\$77	.89	172			I	by Spouse
Common Stock																271,217			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)	tive Conversion Date ty or Exercise (Month/Day/Year) if any			4. Transac Code (II 8)		of Deriv Secu Acqu (A) o Disp	osed ) r. 3, 4	Expiratio	on Da	ear)	7. Title and Amount of Securities Underlying Derivative Security (Instr 3 and 4)		nstr.	nt		9. Number of derivative e Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)		IO. Ownership Form: Direct (D) or Indirect I) (Instr.	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code V (A) (E			(D)	Date Exercisa		Expiration of		ares							

## Explanation of Responses:

1. The reported sales were to cover taxes upon the vesting of restricted stock units, as required by the Company's equity incentive plans.

By: Saria Tseng For: Deming 10/25/2016

\*\* Signature of Reporting Person Date

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

- $^{\star}$  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.