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	2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC MPWR ]									Relationship of Reporting Person(s) to Issuer (Check all applicable)     Director 10% Owner								
(Last) (First) (Middle) 79 GREAT OAKS BLVD						3. Date of Earliest Transaction (Month/Day/Year) 08/04/2017								X	Officer (give title below) Pres. of MPS As		below	
(Street) SAN JOS (City)		CA 95119 (State) (Zip)					4. If Amendment, Date of Original Filed (Month/Day/Year)								lividual or Joint/Group Filing (Check Applicable  Form filed by One Reporting Person  Form filed by More than One Reporting  Person			
		Table	e I - No	n-Deriv	ative S	Secu	ırities	Ac	quire	d, Di	isposed o	f, or E	Benefic	cially	Own	ed		
1. Title of Security (Instr. 3)				2. Transaction Date (Month/Day/Year		2A. Deemed Execution Date, if any (Month/Day/Year)		,	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4			and 5) Securities Beneficially Owned		rities ficially ed	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership
									Code	v	Amount	(A) or (D)	Price		Following Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)	(Instr. 4)
Common Stock 08/04/20						7			S <sup>(1)</sup>		2,623	D	\$101	1.6629		84,102	D	
Common Stock 08/07/20					7				S <sup>(1)</sup>		3,381	D	\$102	2.1867		80,721	D	
Common Stock								1								1,101	I	by Spouse
		Та									oosed of, convertib				wned			
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security		3A. Deemed Execution Date, if any (Month/Day/Year)		4. Transaction Code (Instr. 8)				Expiration (Month/Day			7. Title and Amount of Securities Underlying Derivative Security (Inst 3 and 4)		Sec.	vative urity tr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A) (D		Date Exercisabl		Expiration Date	Title	Amour or Number of Shares	er				

## 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 <u>08/07/2017</u>

\*\* 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.