FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL								
OMB Number: 3235-028								
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

Name and Address of Reporting Person* Xiao Deming				MC	2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]							(Check	all app	olicable) ctor	g Person(s) to	
(Last) (First) (Middle) 79 GREAT OAKS BLVD					3. Date of Earliest Transaction (Month/Day/Year) 08/03/2018							X	Officer (give title below) Pres. of MPS As		below)
(Street) SAN JOS (City)	E CA 95119 (State) (Zip)				4. If Amendment, Date of Original Filed (Month/Day/Year)						· .	6. Indi Line) X	′			
		Tabl	e I - Non-Deriv	vative	Secu	urities A	cquir	ed, Di	isposed o	f, or E	Benefic	ially	Own	ed		
1. Title of Security (Instr. 3)			2. Transactio Date (Month/Day/Y	ear) E	2A. Deemed Execution Date, r) if any (Month/Day/Year)		Transaction Dis		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4			and 5) Secu Bene Own			6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership
							Code	v	Amount	(A) or (D)	Price				Instr. 4)	(Instr. 4)
Common	Stock		08/03/20	18			S ⁽¹⁾		3,019	D	\$135.	4545	3	26,720	D	
Common Stock		08/06/20	18	3		S ⁽¹⁾		1,710	D	\$135.	9932	325,010		D		
Common Stock														1,101	I	by Spouse
		Та	ble II - Deriva (e.g., p						oosed of, convertib				wned			
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	Date (Month/Day/Year) i	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transa Code 8)		5. Numb of Derivativ Securitie Acquired (A) or Disposed of (D) (Instr. 3, and 5)	Expiration (Month/Days			7. Title and Amount of Securities Underlying Derivative Security (Inst 3 and 4)		of Der Sec (Ins	rice ivative urity tr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A) (D	Date Exe	e rcisable	Expiration Date	Title	Amoun or Numbe of Shares	r				

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>Niao</u> 08/07/2018

** 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.