

MONOLITHIC POWER SYSTEMS INC

Reported by XIAO DEMING

FORM 4

(Statement of Changes in Beneficial Ownership)

Filed 10/28/25 for the Period Ending 10/25/25

Address 5808 LAKE WASHINGTON BLVD. NE

KIRKLAND, WA, 98033

Telephone 425-296-9956

CIK 0001280452

Symbol MPWR

SIC Code 3674 - Semiconductors and Related Devices

Industry Semiconductors

Sector Technology

Fiscal Year 12/31

FORM 4

☐ Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. *See* Instruction 1(b).

☐ Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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 *				2.	2. Issuer Name and Ticker or Trading Symbol								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
Xiao Deming					MONOLITHIC POWER SYSTEMS INC [MPWR]							Director	pricable)	10)% Owner	
(Last) (First) (Middle)				3.	3. Date of Earliest Transaction (MM/DD/YYYY)								X_ Officer (give title below) Other (specify below) EVP, Global Operations			
5808 LAKE WASHINGTON BLVD NE					10/25/2025											
(Street)				4.	4. If Amendment, Date Original Filed (MM/DD/YYYY)							Y) 6. Individual	6. Individual or Joint/Group Filing (Check Applicable Line)			
KIRKLAND, WA 98033													_X _ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(0	City) (Sta	te) (Zi	p)													
			Table I - N	Non-De	rivati	ive Sec	urities A	cqui	red, Disp	osed of	f, or E	Beneficially Own	ed			
1. Title of Security (Instr. 3) 2. Trans. D			ns. Date	Execu	Deemed ution (Instr. 8)		ode	or Disposed of (D) Fo				Amount of Securities Beneficially Owned bllowing Reported Transaction(s) nstr. 3 and 4)			7. Nature of Indirect Beneficial Ownership	
							Code	V	Amount	(A) or (D)	Price	;			or Indirect (I) (Instr. 4)	(Instr. 4)
Common Stock 10/25/202				5/2025			A		135,520) A	\$0			256,180	D	
Common Stock														20,455	I	by Spouse
Common Stock														4,336	I	Christopher Chao Xiao Trust
	Tab	le II - Dei	rivative Sec	curities	Bene	eficiall	y Owned	(e.g.	., puts, ca	alls, wa	rrant	s, options, conve	rtible secu	urities)		
1. Title of Derivate Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	Date Ex	3A. Deemed Execution Date, if any	4. Trans (Instr. 8		Derivat Acquir Dispos			Date Exerci ad Expiration	n Date	Securi Deriva (Instr.	e and Amount of ties Underlying tive Security 3 and 4)	8. Price of Derivative Security (Instr. 5)	Securities Beneficially Owned Following Reported	Ownersh Form of Derivativ Security: Direct (I or Indire	Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)		ate Exercisable E	Expiration Date		Amount or Number of Shares		Transaction((Instr. 4)	(I) (Instr. 4)	

Explanation of Responses:

(1) On October 25, 2022, the reporting person was granted market-based restricted stock units ("MSUs") subject to the achievement of five stock price targets and relative total stockholder return percentile rank over a three-year performance and vesting period. On October 25, 2025, the Company's Compensation Committee of the Board of Directors certified and approved the achievement of the performance criteria for the MSUs, which resulted in 135,520 shares being awarded to the reporting person. All of the shares fully vested on October 25, 2025, pursuant to the grant agreement.

Reporting Owners

Reporting Owner Name / Address	Relationships							
Reporting Owner Name / Address	Director	10% Owner	Officer	Other				
Xiao Deming								
5808 LAKE WASHINGTON BLVD NE			EVP, Global Operations					
KIRKLAND, WA 98033								

Signatures

/s/ Saria Tseng, attorney-in-fact for Mr. Deming Xiao

10/27/2025

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 control number.