FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPRO	OMB APPROVAL							
OMB Number:	3235-0287							
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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		30()				Company Ac								
Name and Address of Reporting Person* Hsing Michael					2. Issuer Name and Ticker or Trading Symbol MONOLITHIC POWER SYSTEMS INC [MPWR]									all ap	plicable) ctor		Owner	
(Last) (First) (Middle) 79 GREAT OAKS BLVD				3. Date of Earliest Transaction (Month/Day/Year) 04/02/2018									X	Offic belo	′	Other below EO	(specify)	
(Street)					4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Indiv Line)	6. Individual or Joint/Group Filing (Check Applicable Line)				
SAN JOSE CA 95119													X	X Form filed by One Reporting Person				
(City) (State) (Zip)														Forn Pers	-	e than One Re	porting	
		Table	e I - Non-Deriv	ative	Secu	urities	Acq	uire	ed, [Disposed o	of, or	Benefic	cially	Own	ed			
1. Title of Security (Instr. 3)			2. Transaction Date (Month/Day/Yea	Exec r) if an	2A. Deemed Execution Date, if any (Month/Day/Year		3. Transaction Code (Instr. 8)			4. Securities Disposed Of		nd 5) Securi Benefi Owned		rities F ficially (ed I	6. Ownership Form: Direct (D) or Indirect (I)	of Indirect Beneficial Ownership		
									v	Amount	(A) or (D)	Price		Following Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)	(Instr. 4)	
Common Stock 04/02						S(1)		20,000	D	\$111.8	3997(2)		224,789	D			
Common Stock														33,040	I	by M Hsing 04 Trust		
		Tal	ble II - Derivat (e.g., pu							sposed of, , converti				wned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	Date (Month/Day/Year)	Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Num of Derivat Securit Acquir (A) or Dispos of (D) (Instr. and 5)	tive ties ed	Expi	ration	ercisable and n Date ay/Year)	7. Title and Amount of Securities Underlying Derivative Security (Inst 3 and 4)		Secu (Inst	vative irity	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 Exer	cisab	Expiration le Date	ı Title	Amour or Number of Shares	er					

Explanation of Responses:

- 1. In accordance with the reporting person's 10b5-1 trading plan.
- 2. The price is the weighted average sale price for the transactions reported on this line. The prices for the transactions reported on this line range from \$110.47 to \$114.99. The reporting person undertakes to provide, upon request by the staff of the Securities and Exchange Commission, the issuer, or a security holder of the issuer, full information regarding the number of shares sold at each separate price.

By: Saria Tseng For: Michael Hsing 04/03/2018

** Signature of Reporting Person Date

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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.