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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 and Address of Reporting Person * <u>Robinette Dale Thomas</u>  (Last) (First) (Middle) <u>C/O FLUX POWER HOLDINGS, INC.</u> <u>2685 S. MELROSE DRIVE</u>  (Street) <u>VISTA CA 92081</u>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Flux Power Holdings, Inc. [ FLUX ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <u>04/28/2023</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person
	Rule 10b5-1(c) Transaction Indication <input type="checkbox"/> 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.	

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

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) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock <sup>(1)</sup>	04/28/2023		M <sup>(1)</sup>		17,793	A	(1)	19,319	D	
Common Stock <sup>(2)</sup>	04/29/2023		M <sup>(2)</sup>		1,526	A	(2)	20,845	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)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 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 Exercisable	Expiration Date						Title
Restricted Stock Units <sup>(3)</sup>	(1)	04/28/2023		M			17,793	(3)	(3)	Common Stock	17,793	(3)	0	D	
Restricted Stock Unit <sup>(4)</sup>	(2)	04/29/2023		M			1,526	(4)	(4)	Common Stock	1,526	(4)	1,526	D	

**Explanation of Responses:**

- Represents the number of common stock issued upon the vesting of 17,793 restricted stock units ("RSUs"), which converted into the Issuer's common stock on a one-for-one basis.
- Represents the number of common stock issued upon the vesting of 1,526 RSUs, which converted into the Issuer's common stock on a one-for-one basis.
- This award was granted on April 28, 2022. 17,793 RSUs vested on April 28, 2023.
- Each RSU represents a contingent right to receive, upon vesting of the RSU, one share of the Issuer's common stock. On April 29, 2021, in consideration for board services the Issuer granted 4,578 RSUs pursuant to a Restricted Stock Unit Award Agreement. One third of the original grant of 4,578 RSUs pursuant to the Issuer's 2014 Equity Incentive Plan vested on April 29, 2022, 1,526 of the remaining RSUs vested on April 29, 2023 and the remaining 1,526 RSU will vest on April 29, 2024.

**Remarks:**

Exhibit 24 - Power of Attorney (previously filed as Exhibit 24 to Form 4 dated May 2, 2022.)

/s/ Charles A. Scheiwe, Attorney-in-fact for Dale Robinette 05/01/2023

\*\* 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.

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