

| | |
|--|-----------|
| OMB Number: | 3235-0104 |
| Estimated average burden hours per response: | 0.5 |

INITIAL STATEMENT OF 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 * <u>Vanka Krishna C</u> <hr/> (Last) (First) (Middle) <u>C/O FLUX POWER HOLDINGS, INC.</u> <u>2685 S. MELROSE DRIVE</u> <hr/> (Street) <u>VISTA CA 92081</u> <hr/> (City) (State) (Zip) | 2. Date of Event Requiring Statement (Month/Day/Year) <u>03/10/2025</u> | 3. Issuer Name and Ticker or Trading Symbol <u>Flux Power Holdings, Inc. [FLUX]</u> | |
| | | 4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <p style="text-align: center;"><u>CEO and President</u></p> | 5. 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 |

Table I - Non-Derivative Securities Beneficially Owned

| | | | |
|---------------------------------|---|--|---|
| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|-----------------|---|----------------------------|--|--|---|
| | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | |

Explanation of Responses:

Remarks:

No securities are beneficially owned as of March 11, 2025. Exhibit 24 - Power of Attorney

No securities are beneficially owned.

/s/ Krishna Vanka

03/12/2025

** 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 5 (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.

LIMITED POWER OF ATTORNEY

Know all by these presents, that the undersigned hereby constitutes and appoints Kevin Royal, in his capacity as Chief Financial Officer of Flux Power Holdings, Inc., acting singly and with full power of substitution, the undersigned's true and lawful attorney-in-fact to:

- (1) Prepare and execute for and on behalf of the undersigned, in the undersigned's capacity as a director of Flux Power Holdings, Inc., a Nevada corporation (the "**Company**"), Forms 3, 4 and 5 (and any amendments thereto) in accordance with Section 16(a) of the Securities Exchange Act of 1934, as amended (the "**Exchange Act**"), and the rules thereunder;
- (2) Do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete and execute any such Form 3, 4 or 5, complete and execute any amendments thereto, and timely file such form with the U.S. Securities and Exchange Commission (the "**SEC**"), including without limitation the filing of any other documents necessary or appropriate to enable the undersigned to file the Forms 3, 4 and 5 electronically with the SEC; and
- (3) Take any other action in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by or for, the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Limited Power of Attorney shall be in such form and shall contain such information and disclosure as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever required, necessary or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this Limited Power of Attorney and the rights and powers herein granted.

The undersigned acknowledges that the foregoing attorneys-in-fact, in serving in such capacity at the request and on the behalf of the undersigned, are not assuming, nor is the Company assuming, any of the undersigned's responsibilities to comply with, or any liability for the failure to comply with, any provision of Section 16 of the Exchange Act.

This Limited Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4 or 5 with respect to the undersigned's holdings of and transactions in securities issued by the Company, unless earlier revoked by the undersigned in a signed writing delivered to each of the foregoing attorneys-in-fact.

IN WITNESS WHEREOF, the undersigned has executed this Limited Power of Attorney as of this 11th day of March, 2025.

/s/ Krishna Vanka
SIGNATURE

Krishna Vanka
PRINTED NAME
