

MONOLITHIC POWER SYSTEMS INC  
Form 8-K  
July 28, 2010

**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

**FORM 8-K**

**CURRENT REPORT**

Pursuant to Section 13 or 15(d) of  
the Securities Exchange Act of 1934

Date of Report (date of earliest event reported):

July 27, 2010

**MONOLITHIC POWER SYSTEMS, INC.**

(Exact name of Registrant as specified in its charter)

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(State or other jurisdiction of incorporation or organization)	(Commission File Number) <b>6409 Guadalupe Mines Road, San Jose, CA 95120</b>	(I.R.S. Employer Identification Number)
(Address of principal executive offices) (Zip Code)		
(408) 826-0600		
(Registrant's telephone number, including area code)		

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- .. Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- .. Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- .. Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- .. Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

**Item 2.02 Results of Operations and Financial Condition.**

On July 28, 2010, Monolithic Power Systems, Inc. ( "MPS" ), a Delaware corporation, issued a press release regarding its financial results for the quarter and half year ended June 30, 2010. A copy of the press release is attached hereto as Exhibit 99.1.

The information under this Item 2.02 of this Current Report on Form 8-K and the exhibit attached hereto are being furnished and shall not be deemed filed for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "1934 Act" ), nor shall they be deemed incorporated by reference in any filing with the Securities and Exchange Commission under the 1934 Act or the Securities Act of 1933, as amended, except as shall be expressly set forth by specific reference in such filing.

**Item 8.01 Other Events.**

On July 27, 2010, the Board of Directors of MPS approved the repurchase of up to \$50 million dollars of the Company's Common Stock between August 2, 2010 and December 31, 2011. The Company may repurchase its Common Stock on the open market in accordance with Rule 10b-18 of the Securities and Exchange Commission Act of 1934, as amended. A copy of the press release is attached hereto as Exhibit 99.2.

**Item 9.01 Financial Statements and Exhibits.**

(d) Exhibits.

Exhibit	Description
99.1	Press Release issued on July 28, 2010, announcing the financial results for the quarter and half year ended June 30, 2010
99.2	Press Release issued on July 28, 2010, announcing the approval of the stock repurchase program

**Index to Exhibits**

<b>Exhibit</b>	<b>Description</b>
99.1	Press Release issued on July 28, 2010, announcing the financial results for the quarter and half year ended June 30, 2010
99.2	Press Release issued on July 28, 2010, announcing the approval of the stock repurchase program

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Date: July 28, 2010

By: /s/ C. RICHARD NEELY, JR.  
C. Richard Neely, Jr.  
Chief Financial Officer

(Principal Financial and Accounting Officer and

Duly Authorized Officer)