

SOLARFUN POWER HOLDINGS CO., LTD.

FORM 6-K (Report of Foreign Issuer)

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SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM 6-K

REPORT OF FOREIGN ISSUER

**Pursuant to Rule 13a-16 or 15d-16 of
the Securities Exchange Act of 1934**

For the Month of January, 2010

Commission File Number 1-33208

SOLARFUN POWER HOLDINGS CO., LTD.

**666 Linyang Road
Qidong, Jiangsu Province 226200
People's Republic of China**
(Address of Principal Executive Offices)

(Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.)

Form 20-F ☒ Form 40-F ☐

(Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1).)

Yes ☐ No ☒

(Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7).)

Yes ☐ No ☒

(Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.)

Yes ☐ No ☒

(If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82-)

Solarfun Power Holdings Co., Ltd. (the "Registrant") is furnishing under the cover of Form 6-K:

99.1 Press Release Dated January 8, 2010.

SIGNATURES

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

SOLARFUN POWER HOLDINGS CO., LTD

Date: January 8, 2010.

By: /s/ Ping Peter Xie
Name: Ping Peter Xie
Title: President of Solarfun Power Holdings Co., Ltd.

Solarfun Announces 2010 Capacity Expansion

SHANGHAI, Jan. 8 /PRNewswire-FirstCall/ -- Solarfun Power Holdings Co., Ltd. ("Solarfun" or "the Company") (Nasdaq: SOLF), a vertically integrated manufacturer of silicon ingots and photovoltaic cells and modules in China, today announced a capacity expansion due to anticipated demand. Solarfun will increase its PV module production capacity from 550MW to 700MW by April 2010 and its PV cell production capacity from 360MW to 480MW by July 2010.

Peter Xie, President of Solarfun, commented, "We have an optimistic view on industry demand in 2010 and believe that it is critical to scale up our manufacturing capacity to meet customer demand. We are expecting to see strong demand from areas with increased subsidies to solar projects such as China and the United States. We plan to continue to reduce processing costs through increased production scale and enhanced manufacturing efficiencies."

This report on Form 6-K is hereby incorporated by reference into the Company's Registration Statement on Form F-3 (Registration No. 333-152005) filed on July 14,2008.

About Solarfun

Solarfun Power Holdings Co., Ltd. manufactures ingots, PV cells and PV modules, and provides PV module processing services to convert PV cells into PV modules. Solarfun produces both monocrystalline and multicrystalline silicon cells and modules. Solarfun sells its products both through third-party distributors, OEM manufacturers and directly to system integrators. Solarfun was founded in 2004 and its products have been certified to meet TUV and UL safety and quality standards.

SOLF-G

For further information, please contact:

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