

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 July, 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 July 19, 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: July 20, 2010.

By: /s/ Ping Peter Xie

Name: Ping Peter Xie

Title: President of Solarfun Power Holdings Co.,
Ltd.

SOLARFUN ANNOUNCES PLANS FOR INCREASE IN CELL CAPACITY AND INTRODUCTION OF HIGH-EFFICIENCY CELL TECHNOLOGY

SHANGHAI, China, July 19, 2010 -- Solarfun Power Holdings Co., Ltd. (“Solarfun” or the “Company”) (NASDAQ: SOLF), a vertically integrated manufacturer of silicon ingots, wafers and photovoltaic (“PV”) cells and modules in China, today announced its plan to increase its cell capacity by 50MW through the enhancement of its manufacturing processes, and to convert 160 MW of its existing cell lines to high-efficiency selective emitter technology, both to be completed in the early first quarter of 2011.

Dr. Peter Xie, President of Solarfun, commented, “We experienced robust demand from customers in the first half of 2010, and customer demand in the second half of 2010 turned out to be much stronger than what we had anticipated. We are largely sold out of existing capacity for the remainder of 2010. Our continued ramp-up in capacity is driven by increased visibility of demand from our key customers in the first half of 2011 and we want to be prepared to meet this additional demand.” Dr. Xie also noted, “The introduction of high-efficiency cell technology is a culmination of increased focus and aggressive investment in R&D, leading to a significant gain in cell efficiencies which are critical to reducing our costs and maintaining our competitive position.”

The Company’s cell capacity is expected to reach 550 MW by the early first quarter of 2011. The addition of 50 MW incremental capacity will be achieved through debottlenecking and the enhancement of manufacturing processes without the purchase of any new cell lines.

Also by the early first quarter of 2011, the Company plans to finish converting 160 MW of its existing cell capacity to high efficiency cell capacity through the introduction of selective emitter technology. The Company’s approach is expected to realize efficiency targets exceeding 18.5% and 17.0 % for monocrystalline and multicrystalline cells, respectively. According to Dr. Mohan Narayanan, Vice President of Technology, “We believe our selective emitter technology offers several advantages in addition to higher cell efficiencies, including lower capital and physical space requirements, better utilization of existing equipment and employee skills, and reduced costs and higher yields.”

The Company also announced that new manufacturing complexes are currently under construction allowing for major future cell and module capacity additions. These facilities will be completed during the first half of 2011 and is expected to provide the ability to add 500 MW of cell capacity and 1.2 GW of module capacity. Dr. Xie concluded, “The investment in these new manufacturing facilities are reflective of our confidence in the continued growth in renewable energy and solar energy in particular, as well as our abilities to capture an increasingly larger share of that market”.

About Solarfun

Solarfun manufactures silicon ingots, wafers, 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 through third-party distributors, OEM manufacturers and directly to system integrators. Solarfun was founded in 2004 and its products have been certified to TUV and UL safety and quality standards. SOLF-G

SAFE HARBOR STATEMENT

This press release contains forward-looking statements. These statements constitute “forward-looking” statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, and as defined in the U.S. Private Securities Litigation Reform Act of 1995. Forward-looking statements involve inherent risks and uncertainties and actual results may differ materially from such estimates depending on future events and other changes in business climate and market conditions. Solarfun disclaims any obligation to update or correct any forward-looking statements.

For further information, please contact:

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