

# Energy Conversion Devices, Inc. Fundamental Company Report Including Financial, SWOT, Competitors and Industry Analysis

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## Abstracts

Energy Conversion Devices, Inc. Fundamental Company Report provides a complete overview of the company's affairs. All available data is presented in a comprehensive and easily accessed format. The report includes financial and SWOT information, industry analysis, opinions, estimates, plus annual and quarterly forecasts made by stock market experts. The report also enables direct comparison to be made between Energy Conversion Devices, Inc. and its competitors. This provides our Clients with a clear understanding of Energy Conversion Devices, Inc. position in the [Semiconductor Industry](#).

The report contains detailed information about Energy Conversion Devices, Inc. that gives an unrivalled in-depth knowledge about internal business-environment of the company: data about the owners, senior executives, locations, subsidiaries, markets, products, and company history.

Another part of the report is a SWOT-analysis carried out for Energy Conversion Devices, Inc.. It involves specifying the objective of the company's business and identifies the different factors that are favorable and unfavorable to achieving that objective. SWOT-analysis helps to understand company's strengths, weaknesses, opportunities, and possible threats against it.

The Energy Conversion Devices, Inc. financial analysis covers the income statement and ratio trend-charts with balance sheets and cash flows presented on an annual and quarterly basis. The report outlines the main financial ratios

pertaining to profitability, margin analysis, asset turnover, credit ratios, and company's long-term solvency. This sort of company's information will assist and strengthen your company's decision-making processes.

In the part that describes Energy Conversion Devices, Inc. competitors and the industry in whole, the information about company's financial ratios is compared to those of its competitors and to the industry. The unique analysis of the market and company's competitors along with detailed information about the internal and external factors affecting the relevant industry will help to manage your business environment. Your company's business and sales activities will be boosted by gaining an insight into your competitors' businesses.

Also the report provides relevant news, an analysis of PR-activity, and stock price movements. The latter are correlated with pertinent news and press releases, and annual and quarterly forecasts are given by a variety of experts and market research firms. Such information creates your awareness about principal trends of Energy Conversion Devices, Inc. business.

### **About Energy Conversion Devices, Inc.**

Energy Conversion Devices, Inc. engages in the design, manufacture, and sale of photovoltaic (PV) products. The company also licenses its nickel metal hydride (NiMH) battery technology and sells nickel hydroxide used in NiMH batteries.

#### Segments

The company operates its business in two segments, United Solar Ovonic and Ovonic Materials.

#### UNITED SOLAR OVONIC SEGMENT

The United Solar Ovonic segment provides PV laminates that generate clean and renewable energy by converting sunlight into electricity. This segment, which it conducts through its wholly owned subsidiary, United Solar Ovonic LLC (USO), is based principally on its technologies for thin-film amorphous silicon PV laminates and roll-to-roll manufacturing.

In 2009, the company acquired 100% of the outstanding common shares of Solar

Integrated Technologies, Inc. (SIT), which involves in the design, development, and installation of rooftop building integrated photovoltaic (BIPV) systems. Through a combination of SIT and USO resources, it also develops ground mount and rooftop PV projects, including projects that deploy its PV laminates.

The company's PV laminates possess various attributes for both rooftop and building integrated applications. In addition, its products generate electricity in real world conditions.

The company sells its PV laminates principally for commercial and industrial rooftop applications. It sells its laminates to commercial roofing materials manufacturers, builders and building contractors, and solar power installers/integrators, which incorporate its PV laminates into their products for commercial sale and then handle all aspects of the consumer relationship, including marketing, sales, and service. In addition, it is developing multiple building integrated products to address the residential rooftop market opportunities in North America and Europe.

The company manufactures its PV laminates using its proprietary vacuum deposition and roll-to-roll manufacturing processes that deposit amorphous silicon as a thin film on a stainless steel substrate. It has designed, developed, and manufactured the automated production equipment based on these process technologies.

### Joint Ventures

The company has established a joint venture, United Solar Ovonic Jinneng Limited, which is organized under the laws of the People's Republic of China, to manufacture solar products in China for sale in the Chinese market using solar cells. It owns 25% of the joint venture.

### Sales Offices

The company maintains sales offices in France, Germany, Italy, Spain, and the United States.

### Customers

The company's customers include Solardis-Soprasolar; Alwitra Flachdach Systeme GmbH; Advanced Green Technologies, Inc. (a unit of Advanced Roofing, Inc.); Marcegaglia Taranto S.p.A.; Derbigum Suisse Sarl; Centrosolar AG; and Enel Green

Power.

## Competition

The company's principal competitors in the solar market include Sharp Corporation; Q-Cells AG; Evergreen Solar, Inc.; Kyocera Corporation; Sanyo Electric Co., Ltd. (Sanyo); SunPower Corp.; Mitsubishi Electric Corporation; Yingli Solar; Trina Solar Limited; Suntech Power Holdings Co., Ltd.; and First Solar, Inc.

## OVONIC MATERIALS SEGMENT

The Ovonic Materials Segment invents, designs, and develops materials and products based on its pioneering materials science technology. It is commercializing its materials, and consumer and stationary NiMH battery technology through this segment. It also engages in pre-commercialization activities for its technologies.

## NiMH Batteries

NiMH batteries are rechargeable energy storage solutions offering high power and energy, long cycle life, and maintenance-free operation. They are adaptable to a range of consumer, transportation, and stationary applications. It commercializes its NiMH battery technology principally through third-party licensing arrangements with NiMH battery manufacturers, principally for consumer and transportation applications throughout the world. It also sells proprietary positive electrode nickel hydroxide materials for use in NiMH batteries. It conducts its NiMH battery technology licensing and materials manufacturing activities through its subsidiary Ovonic Battery Company, Inc., in which it has a 93.6% equity interest.

## Joint Ventures

Ovonyx: The company's Ovonyx joint venture is commercializing its proprietary Ovonic Universal Memory (OUM) and Ovonic Threshold Switch (OTS) technology through licensing and product development arrangements. OUM is a nonvolatile memory that can replace conventional nonvolatile or FLASH memory in applications requiring retention of stored data when power is turned off, including cell phones, PDAs, digital cameras, and microelectronics. It owns 38.6% of the common stock of Ovonyx, Inc. Ovonyx, Inc. has entered into license agreements with Intel Corporation, Samsung Electronics Co., Ltd., Elpida Memory, Inc., STMicroelectronics N.V., BAE Systems, Hynix Semiconductor, Inc., and Numonyx B.V. (acquired by Micron Technology, Inc.), to

produce OUM products.

## Dispositions

In 2009, the company completed the sale of its interest in Cobasys LLC, its former joint venture through which it commercialized its NiMH battery technology.

## History

Energy Conversion Devices, Inc. was founded in 1960.

The above Company Fundamental Report is a half-ready report and contents are subject to change.

It means that we have all necessary data in our database to prepare the report but need **2-3 days** to complete it. During this time we are also updating the report with respect to the current moment. So, you can get all the most recent data available for the same price. Please note that preparation of additional types of analyses requires extra time.

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1 – Data availability depends on company's security policy.

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## ANALYSIS FEATURES

### SWOT Analysis

SWOT, which stands for Strengths, Weaknesses, Opportunities and Threats, is an analytical framework that identifies the internal and external factors that are favorable and unfavorable for a company.

### Enhanced SWOT Analysis

Enhanced SWOT is a 3x3 grid that arranges strengths, weaknesses, opportunities and threats into one scheme:

How to use the strengths to take advantage of the opportunities?

How to use the strengths to reduce likelihood and impact of the threats?

How to overcome the weaknesses that obstruct taking advantage of the opportunities?

How to overcome the weaknesses that can make the threats a reality?

Upon answering these questions a company can develop a project plan to improve its business performance.

### PESTEL Analysis

PESTEL (also termed as PESTLE) is an ideal tool to strategically analyze what influence different outside factors – political, economic, sociocultural, technological, environmental and legal – exert on a business to later chart its long term targets.

Being part of the external analysis when carrying out a strategic assessment or performing a market study, PESTEL gives an overview of diverse macro-environmental factors that any company should thoughtfully consider. By perceiving these outside environments, businesses can maximally benefit from the opportunities while minimizing the threats to the organization.

### Key Factors Examined by PESTEL Analysis:

**Political** – What opportunities and pressures are brought by political bodies and what is the degree of public regulations' impact on the business?

**Economic** – What economic policies, trends and structures are expected to affect the organization, what is this influence's degree?

**Sociological** – What cultural and societal aspects will work upon the demand for the business's products and operations?

**Technological** – What impact do the technological aspects, innovations, incentives and barriers have on the organization?

**Environmental** – What environmental and ecological facets, both locally and farther afield, are likely to predetermine the business?

**Legal** – What laws and legislation will exert influence on the style the business is carried out?

### **IFE, EFE, IE Matrices**

The Internal Factor Evaluation matrix (IFE matrix) is a strategic management tool helping audit or evaluate major weaknesses and strengths in a business's functional areas. In addition, IFE matrix serves as a basis for identifying and assessing relationships amongst those areas. The IFE matrix is utilised in strategy formulation.

The External Factor Evaluation matrix (EFE matrix) is a tool of strategic management that is typically utilised to assess current market conditions. It is an ideal instrument for visualising and prioritising the threats and opportunities a firm is facing.

The essential difference between the above mentioned matrices lies in the type of factors incorporated in the model; whilst the latter is engaged in internal factors, the former deals exceptionally with external factors – those exposed to social, political, economic, legal, etc. external forces.

Being a continuation of the EFE matrix and IFE matrix models, the Internal External matrix (IE matrix) rests upon an investigation of external and internal business factors

integrated into one suggestive model.

### **Porter Five Forces Analysis**

The Porter's five forces analysis studies the industry of operation and helps the company find new sources of competitive advantage. The analysis surveys an industry through five major questions:

What composes a threat of substitute products and services?

Is there a threat of new competitors entering the market?

What is the intensity of competitive rivalry?

How big is the bargaining power of buyers?

How significant is the bargaining power of suppliers?

### **VRIO Analysis**

VRIO stands for Value, Rarity, Imitability, Organization. This analysis helps to evaluate all company's resources and capabilities and bring them together into one aggregate table that includes:

Tangible resources

Financial

Physical

Technological

Organizational

Intangible resources

Human

Innovation and Creativity

## Reputation

### Organizational capabilities

The result of the analysis gives a clear picture of company's competitive and economic implications, answering the questions if the resources mentioned above are:

Valuable?

Rare?

Costly to imitate?

Organized properly?

## I would like to order

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