

Solar Photovoltaic Module Industry, Solar PV Module Manufacturing Plant, Detailed Project Report, Profile, Business Plan, Industry Trends, Market Research, Survey, Manufacturing Process, Machinery, Raw Materials, Feasibility Study, Investment Opportunities

Description:

A solar PV module is normally series connected sufficient number of solar cells to provide required standard output voltage and power. The solar modules or PV modules are commercially available basic building block of a solar electric power generation system. In a solar module the solar cells are connected in same fashion as the battery cell units in a battery bank system. That means positive terminals of one cell connected to negative terminal voltage of solar module is simple sum of the voltage of individual cells connected in series in the module.

Worldwide growth of photovoltaic has been fitting an exponential curve for more than two decades. During this period of time, photovoltaic (PV), also known as solar PV, has evolved from a pure niche market of small scale applications towards becoming a mainstream electricity source. For 2015, worldwide deployment of about 55 GW is being forecasted, and installed capacity is projected to more than double or even triple beyond 500 GW between now and 2020. By 2050, solar power is anticipated to become the world's largest source of electricity, with solar photovoltaic and concentrated solar power contributing 16 and 11 percent, respectively. This will require PV capacity to grow to 4,600 GW, of which more than half is forecasted to be deployed in China and India.

India's sustained growth has placed enormous demand on the country's natural resources. Today, India imports substantial quantities of gas, oil and coal in order to meet its growing energy demand. The increasing dependence on imported fuels creates a serious threat to the energy security of the country. In addition, the country's 254 GW of power generation capacity based on conventional sources has further strained the natural resources and degrading the environment. India's solar capacity forecast for 2020 raised by 240%.

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Keywords: Solar PV Module Manufacturing Plant, Solar Photovoltaic module Industry, Detailed Project Report on solar pv module, How to manufacture a photovoltaic module, How to setup Solar PV Module Manufacturing Unit, project profile on solar pv module, Project Report on solar pv module, project report on solar pv module assembling industries, Project Report on solar pv module manufacturing unit, pv module manufacturing process pdf, Solar Module/Cell Manufacturing Process, solar photovoltaic cell/module m

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