Article Side

Different Forms of Solar Modules for Sale

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Man has developed various solutions to harness natural energy resources over the years. One of the most multi-faced and diverse solutions are those that come from solar product manufacturers. The sun is a constant generator of energy. It has been powering all life on this planet from the start and the source of almost all conventional forms of energy. Today, man has invented various kinds of solutions for generating electricity from sunlight. The largest solar module manufacturers use three basic forms of panels which function in the same basic way, with minor differences. Let us study the various forms of solar panels we use in diverse ways the world today â€“

Mono crystalline Panels

This kind of panel is the costliest and most effective form used today. It uses the purest crystalline silicon cut from its raw state. But it is also considered the most wasteful production process by polycrystalline solar modules manufacturers. This is mostly because the raw crystalline silicon ingots are cylindrical. When the wafers are cut from them, a lot of it is wasted and large gaps need to be left on the rectangular surface of the modules. However, these mono crystalline panels are very effective and generate the maximum amount of electricity. Such panels are mostly for industrial usage and on satellites in orbit for power generation. They are not commonly available as solar modules for sale.

Multi crystalline Panels

These were developed after mono crystalline modules were found to be too expensive for consumer products and domestic use. They are produced from single casts of silicon already shaped to fit the panels. This effectively reduces the cost, but they are not as effective as the pure mono crystalline ones. However, for the nominal requirements in most urban and rural homes, this form is viable. Lesser in cost and much easier to manufacture; most wholesale solar panels suppliers keep the generic products from polycrystalline solar modules manufacturers. Governments and international ecological agencies are working on educating the world on the advantages of this technology.

Ribbon Silicon Panels

Ribbon silicon is produced by drawing thin â€˜wiresâ€™ or â€˜ribbonsâ€™ from the molten cast. Most who solar panels suppliers have ribbon silicon panels. There is minimal loss of pure silicon because the process does not involve any sawing or wastage during the shaping. However, ribbon silicon is also the least effective of all the methods used by the manufacturers around the world. They are quite useful to be used in low power products like toys, small gadgets, watches, calculators, and recently in laptops.

As the world works towards a better future, solar product manufacturers are working hard to keep up to the expectations. Governments have special arrangements and grants for such companies to encourage better usage of green technological advancements. As more some solar modules for sale arrive in the consumer market, you should find the ways to adapt such eco-friendly solutions into your home. In this age of awareness within industrial progress, it is our duty towards the planet.

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HK Chaudhary (a polycrystalline solar modules manufacturer) is a prolific author on the various types of technological variations of green energy solutions.

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