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国家	瑞典

产品/机械

Solarus provides three types of solar energy systems: thermal, PV, and PVT, (hybrid) panels which produce both heat and power. All systems are competitive in their respective markets in terms of performance and cost. Our solar panels are more material efficient and cost effective than many existing modules. The unique hybrid solar panels from Solarus can produce both heat and electricity in the same panel (one square meter of such module will give 136W of power and 400W of heat), offering great values to prospective future users of solar energy. By using a reduced amount of silicon, Solarus deliver panels at a lower cost but equal performance to market leading PV panels.

With a 40MW manufacturing facility, Solarus is able to provide solar power at 1.4 dollars/watt. At higher volumes, a cost below \$ 1 / watt is a real possibility. If the heat energy produced by our panel is taken into account as well, then \$0.30/watt is a reality.

In addition, a panel from Solarus has a comparatively low weight. The materials are recyclable and the backbone consists of carbon fiber reinforced composite material so that costs can be kept down, achieving a very good performance while having a high environmental profile.

Solarus' technology allows our scalable and flexible solar systems. The 300W stand alone rooftop Micro Hybrid System is planned to be capable of generating sufficient power and heat for basic electricity and hot water consumption in a small household. The same panel could be scaled to megawatt size solar farm projects and we provide a choice between fixed and heliostat installations which lead to higher system efficiency.

Solarus panels not only work well under diffuse light and unfavorable weather conditions, but also have the ability to maintain high efficiency for high temperature applications. All of which will provide our customers with an easier way to harvest Solar energy.

Company Profile of **Solarus Sunpower Sweden AB**

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