



Spacecraft Photovoltaic Panel Manufacturing



Overview

While high efficiency, space-qualified solar cells are in themselves costly, integrating them into a high performance Photovoltaic Assembly (PVA) using conventional glassing, interconnecting, stringing, tiling and laydown techniques can double their cost in \$/Watt. Our solar cells and CICs are the highest efficiency commercially available products in the industry offering more than 4MW of power delivered for flight missions. Boeing's Spectrolab to Power NASA's Roman Space Telescope Spectrolab offers a range of GaInP/GaAs/Ge lattice matched 3J solar cells with efficiencies reaching 32%. The greatest share of Spectrolab's product deliveries are fully assembled space solar panels based on a customer's specifications. With power levels up to 2,000W and a cell layout configurable to any bus voltage, we can optimize the solar array for your mission in LEO, MEO, GEO or interplanetary. Northrop Grumman is the industry leader in the design, development, and production of unique and turnkey solar array systems that provide electrical power to spacecraft systems. Our lightweight arrays have powered a variety of critical missions, including: Photovoltaic subassemblies feature the.

Article Content

Small Satellite Solar Arrays

We will manufacture your smallsat solar arrays with efficiency, quality and unmatched expertise. Demonstrated performance in space (TRL 9) with 60 ...

Solarspace Power

Based on leading technical, high-quality guaranteed supply chain and intelligent manufacturing managements, SolarSpace provides more efficient and more ...

SpaceTech solar arrays for space

SpaceTech has shipped the first four solar array panels for the European Space Agency - ESA PLATO spacecraft mission to Thales Alenia Space. These panels ...

Solar Array Products

Northrop Grumman is the industry leader in the design, development, and production of unique and turnkey solar array systems that provide electrical power to spacecraft systems.

Homepage

We are delivering the next generation of space-stable silicon photovoltaics. Our efficient, reliable, radiation-hardened solutions feature competitive performance and lower cost than III-V ...

German firm to demonstrate in-orbit solar panel ...

The production of the ARAQYS-D3 spacecraft and its solar array will be a bi-continental effort, taking place at Dcubed's facilities in Munich, Germany, ...

NASA TechPort

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Spectrolab

Spectrolab manufactures and tests fully-integrated solar panels for commercial, civil and defense missions. These solar panels are then delivered to satellite prime contractors for integration onto ...

DHV Technology: Solar Panels for Space Applications

Deployable and body mounted tailor-made solar array solutions for small satellites. Our solar arrays are manufactured on PCBs or honeycomb aluminium ...

Contact Us

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