



SPACECRAFT BUSES,
SYSTEMS & SOLUTIONS

POWER SYSTEMS CAPABILITIES

Ensure the reliability and functionality of onboard subsystems with our flightprovenpower system capabilities. Blue Canyon solar arrays, solar array drive assemblies and batteries offer outstanding power efficiency, flexibility and fault tolerance.

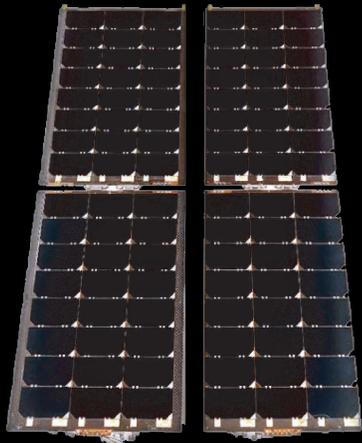
**ESPA-Class Venus
Solar Array**
222 W or 444 W

SOLAR ARRAYS

Solar panels generate power with high-efficiency solar cells. Blue Canyon offers configurations ranging from simple body-mounted wings to multi-panel and multiwing deployed arrays with the option to gimbal up to two arrays. Our standard arrays include 30 percent efficient cells, carbon fiber substrates and magnetic dipole mitigation.

Release mechanisms and solar array drive assemblies (SADAs) are available for optimum sun-pointing operations.

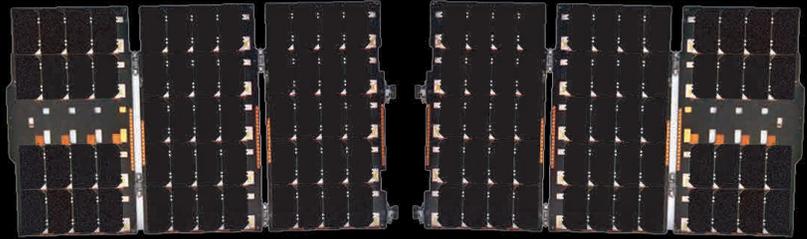




6U-V Double Panel Solar Array
48 W - 96 W



3U Double Panel Solar Array
27 W - 34 W



6U-12U-H Triple Panel Solar Array
54 W - 118 W

POWER SYSTEMS CAPABILITIES

NOMINAL PARAMETERS*
* Parameters at 60 C/BOL

	3U	6U/12U	VENUS-CLASS MINISATELLITE	SATURN-CLASS MINISATELLITE
SOLAR ARRAY POWER	27 - 34 W	48 - 118 W	222 - 444 W	588 - 1175 W
ARRAY VOLTAGE	14.9 VDC	17 or 34.1 VDC	36.2 VDC	38.4 VDC

FEATURES:

- Industry-leading 30 percent efficient solar cells
- Carbon fiber and honeycomb structures
- Arrays pair with GN&C for maximum performance

OPTIONS:

- Linear, rotary and micro release mechanisms options for CubeSat Arrays
- Frangibolt® release mechanisms for minisatellites

Note: This data is for information only and subject to change. Please contact Blue Canyon Technologies for current design data.



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