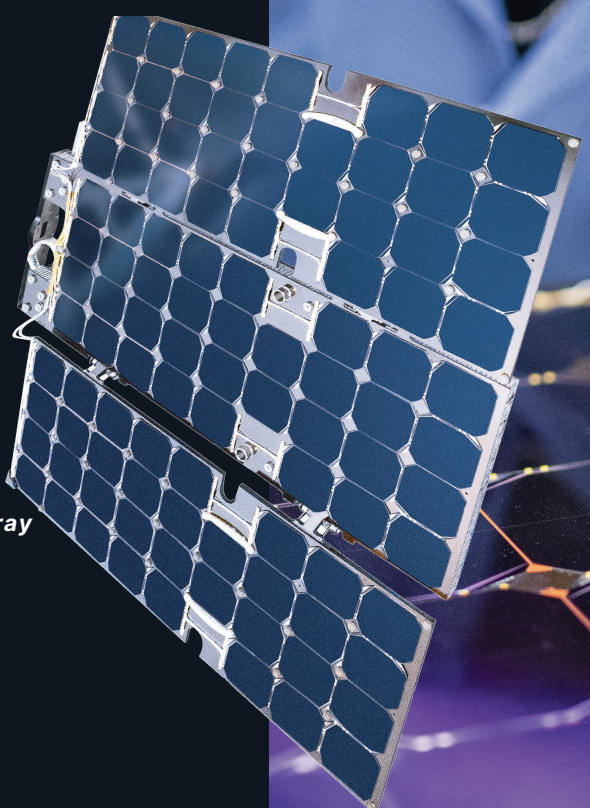
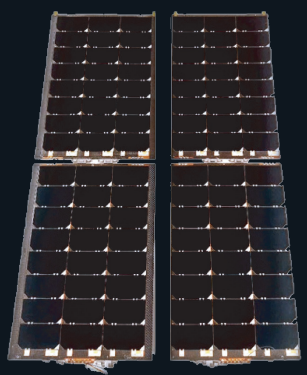
SOLAR ARRAYS



ESPA-Class Venus Solar Array
222 W or 444 W

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

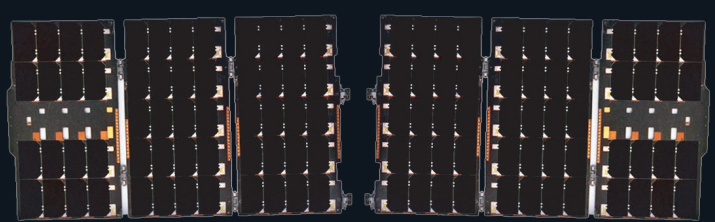
Release mechanisms and solar array drive assemblies (SADAs) are available for optimum sun-pointing operations.



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

NOMINAL PARAMETERS* *Parameters at 60 C/BOL	3U	6U/12U	VENUS-CLASS MICROSATELLITE	SATURN-CLASS MINISATELLITE
SOLAR ARRAY POWER	27 - 34 W	48 - 118 W	222 - 444 W	600 - 1200 W
ARRAY VOLTAGE, VMP	15 VDC	17.5 or 35 VDC	37 VDC	39 VDC

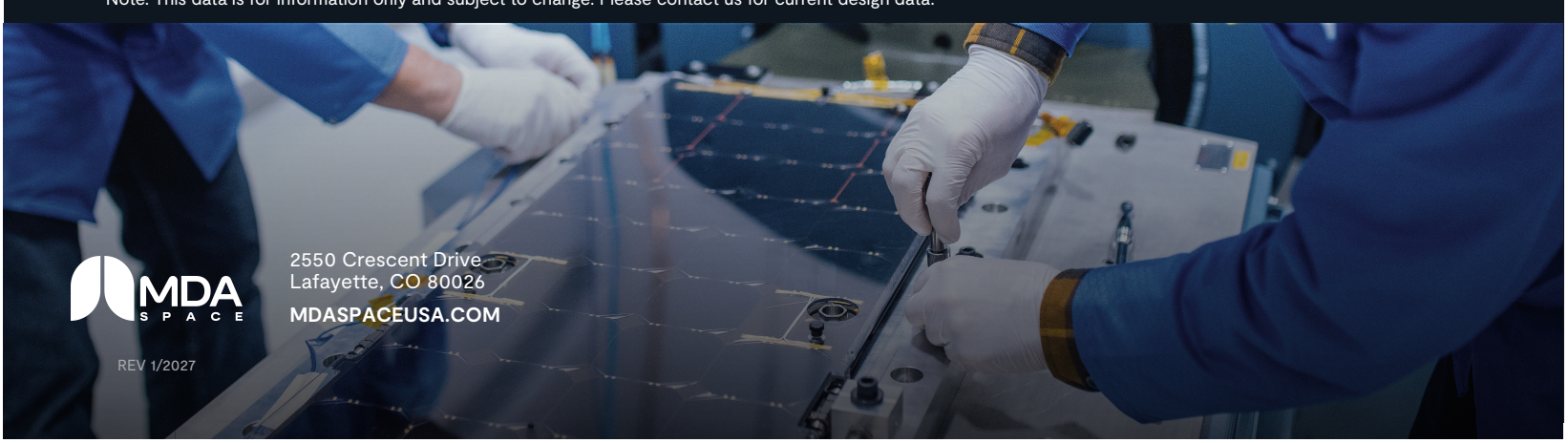
FEATURES:

- Industry-leading 30 percent efficient solar cells
- Carbon fiber structures
- TRL-9 flight heritage

OPTIONS:

- Linear and rotary release mechanisms options for CubeSats
- Frangibolt® release mechanisms for minisatellites

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



MDA SPACE
2550 Crescent Drive
Lafayette, CO 80026
MDASPACEUSA.COM

REV 1/2027