



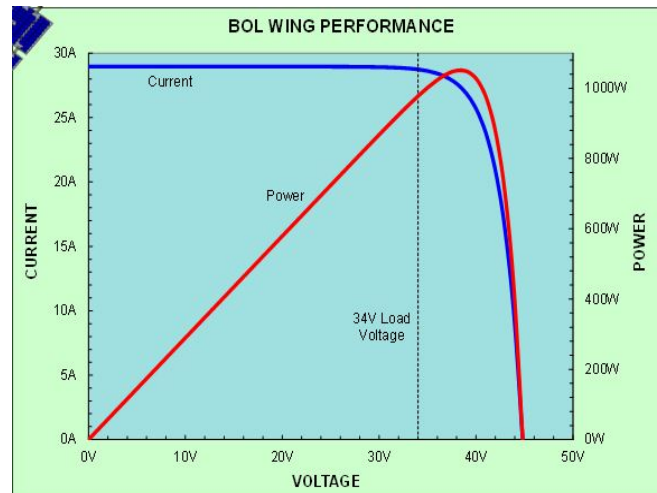
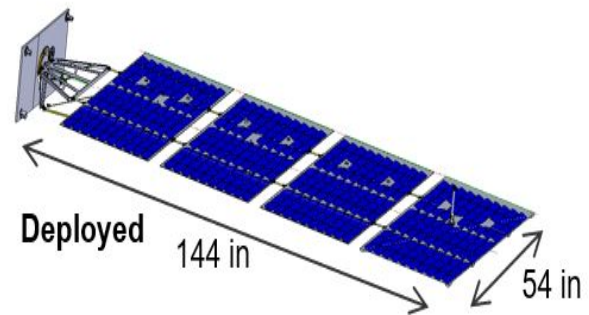
# HiPASS: High-Power Rigid Array Solution for SmallSats

The Redwire Space HiPASS solar array is a high-power rigid solar array solution for smallsat applications.

The HiPASS solution powers missions with a tailored solar array system that supports ESPA-class electric propulsion missions. The HiPASS solar array uses metallic tape spring hinges to fabricate a robust solution that is extremely forgiving to system level tolerance stack-up risks. The SADA-compatible HiPASS is engineered with low-cost graphite panels that are designed to minimize manufacturing risk and complexity.

The HiPASS Rigid Solar Array is a mature technology: 10 flight HiPASS wings (for use on multiple U.S. Government missions) are planned for delivery in 2022.

*Deployed HiPASS Solar Array*



# SOLAR ARRAY HiPASS



## APPLICATIONS

- + SmallSats
- + Solar array constellations
- + ESPA-class electric propulsion missions
- + Solar Array Drive Assembly (SADA) applications



## PARAMETERS

### BOL Metrics of 1-KW Point-Design

**17 KG**

Mass

**30" x 54" x 7.5"**

**76 x 137 x 19 CM**

Stowed Wing Dimensions

Standard HiPASS electrical arrangement is 19s20p (per wing) utilizing Spectrolab XTE 76.88cm<sup>2</sup> solar cells

**54" x 144" x 8"**

**137 x 365 x 20 CM**

Deployed Wing Dimensions



## MISSION HERITAGE

The HiPASS Rigid Solar Array is a mature technology: 10 flight HiPASS wings (for use on multiple U.S. Government missions) are planned for delivery in 2022.

This product is controlled for export from the United States. Contact Redwire for details.

For more information about our space capabilities contact:

**REDWIRE SPACE SALES**



### HERITAGE

Redwire is a new leader in mission critical space solutions and high reliability components for the next generation space economy. With decades of flight heritage combined with the agile and innovative culture of a commercial space platform, Redwire is uniquely positioned to assist its customers in solving the complex challenges of future space missions. For more information, please visit [www.redwirespace.com](http://www.redwirespace.com).

For more information about our space capabilities contact:

[REDWIRESPACE.COM](http://REDWIRESPACE.COM) | [@REDWIRESPACE](https://twitter.com/REDWIRESPACE) | [SALES@REDWIRESPACE.COM](mailto:SALES@REDWIRESPACE.COM)



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