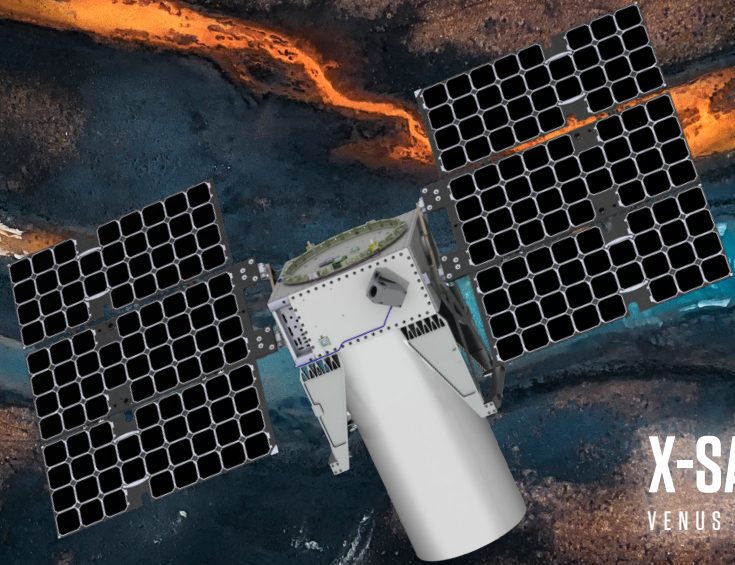




Spacecraft Buses,
Systems & Solutions

MICROSAT SPACECRAFT



X-SAT
VENUS CLASS

MICROSAT

CLASS

15" launch
vehicle interface

ENERGY STORAGE

10.2 Ah

POINTING ACCURACY

$\pm 0.002^\circ$ (1-sigma), 3 axes, 2 Trackers

ORBIT ALTITUDE / ORBIT LIFETIME

LEO (≥ 5 years), GEO (≥ 2 years), Deep
Space (≥ 2 years)

SOLAR ARRAY POWER

THEA, two wing: 384W

THEA, one wing: 192W

AVAILABLE PAYLOAD VOLUME

20.5" X 16.4" X 27.0" (1 array)

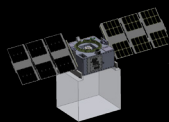
17.0" X 16.4" X 27.0" (2 array)

Larger volume available depending on launch
vehicle

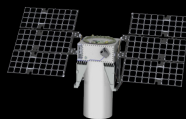
PAYLOAD MASS CAPABILITY

90 kg

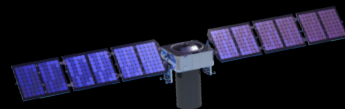
SPACECRAFT SUMMARY



X-SAT
MERCURY CLASS

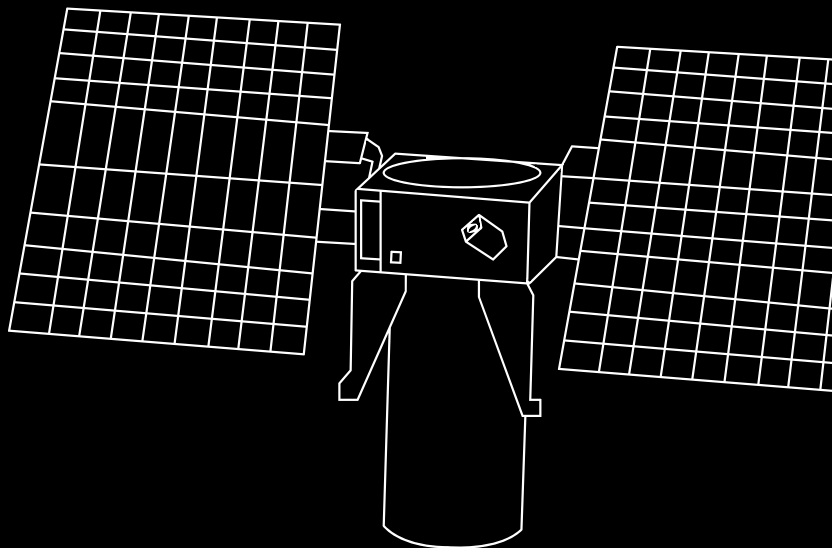


X-SAT
VENUS CLASS



X-SAT
SATURN CLASS

CLASS	8" launch vehicle interface (optional 11.32" available)	15" launch vehicle interface	24" launch vehicle interface
PAYLOAD VOLUME	14.0" X 17.0" X 17.0" (launch dependent)	20.5" X 16.4" X 27.0" (1 array) 17.0" X 16.4" X 27.0" (2 array) Larger volume available depending on launch vehicle	30.0" X 30.0" X 40.0" (typical) Larger volume avail- able within rideshare envelope and in ded- icated launch vehicle fairings
POINTING ACCURACY	$\pm 0.002^\circ$ (1-sigma), 3 axes, 2 Trackers		
ENERGY STORAGE	10.2 Ah	10.2 Ah	40.8 Ah or 54.4 Ah
SOLAR ARRAY POWER	48W/wing, 98W max	THEA, two wing: 384W THEA, one wing: 192W	Hyperion 15, two wing: 1000W Hyperion 15, one wing: 500W
ORBIT ALTITUDE / ORBIT LIFETIME	LEO (≥ 5 years), GEO (≥ 2 years), Deep Space (≥ 2 years)		



We are a complete end-to-end spacecraft company and a leading provider of turnkey small satellite solutions, including nanosatellites, CubeSats and Microsats.

Our attitude determination and control components are one-of-a-kind, allowing for industry-leading precision pointing platforms.