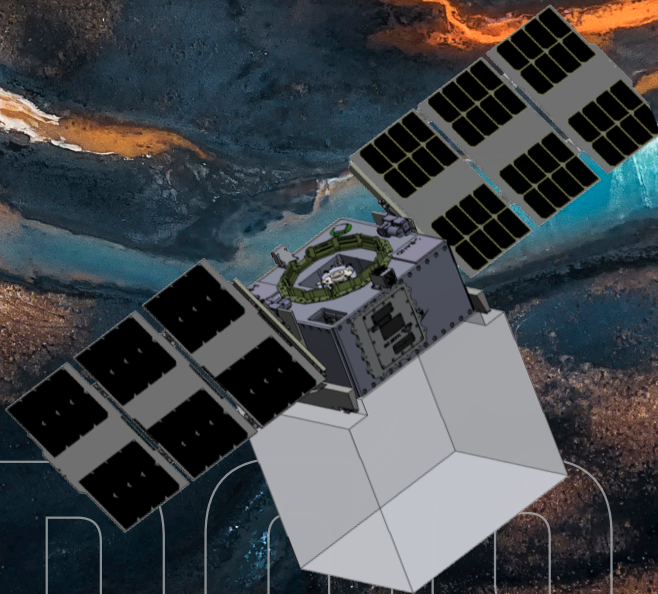




Spacecraft Buses,  
Systems & Solutions

# MICROSAT SPACECRAFT



**X-SAT**  
MERCURY CLASS

# MICROSAT

## CLASS

8" launch vehicle interface  
(optional 11.32" available)

## ENERGY STORAGE

10.2 Ah

## POINTING ACCURACY

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

## ORBIT ALTITUDE / ORBIT LIFETIME

LEO ( $\geq 5$  years), GEO ( $\geq 2$  years), Deep  
Space ( $\geq 2$  years)

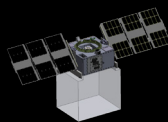
## SOLAR ARRAY POWER

48W/wing, 96W max

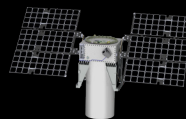
## AVAILABLE PAYLOAD VOLUME

14.0" X 17.0" X 17.0" (launch dependent)

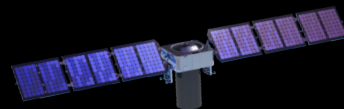
# SPACECRAFT SUMMARY



**X-SAT**  
MERCURY CLASS

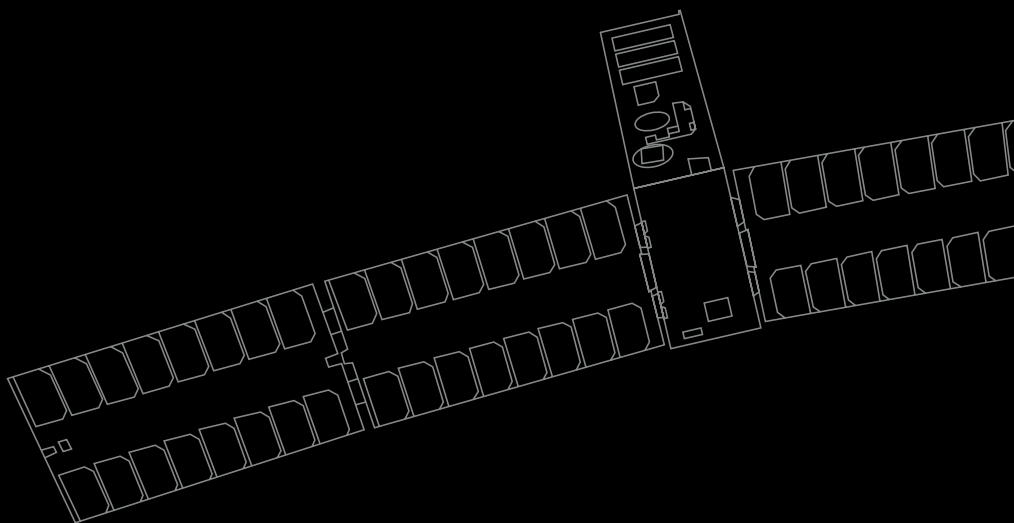


**X-SAT**  
VENUS CLASS



**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	±0.002° (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)		



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