



SPACECRAFT BUSES,
SYSTEMS & SOLUTIONS

MICROSAT SPACECRAFT

X-SAT
SATURN CLASS

MICROSAT

CLASS

ESPA-Grande or equivalent
24" launch vehicle interface

POINTING ACCURACY

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

SOLAR ARRAY POWER

Two wing: 1082W
One wing: 541W

PAYLOAD MASS CAPABILITY

200 kg

ENERGY STORAGE

One wing: 27.2 Ah
Two wing: 54.4 Ah

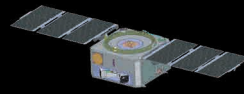
ORBIT ALTITUDE / ORBIT LIFETIME

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

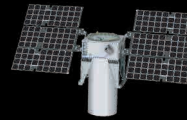
AVAILABLE PAYLOAD VOLUME

30.0" X 30.0" X 40.0" (typical)
Larger volume available within
rideshare envelope and in dedicated launch
vehicle fairings

SPACECRAFT SUMMARY



X-SAT
MERCURY CLASS

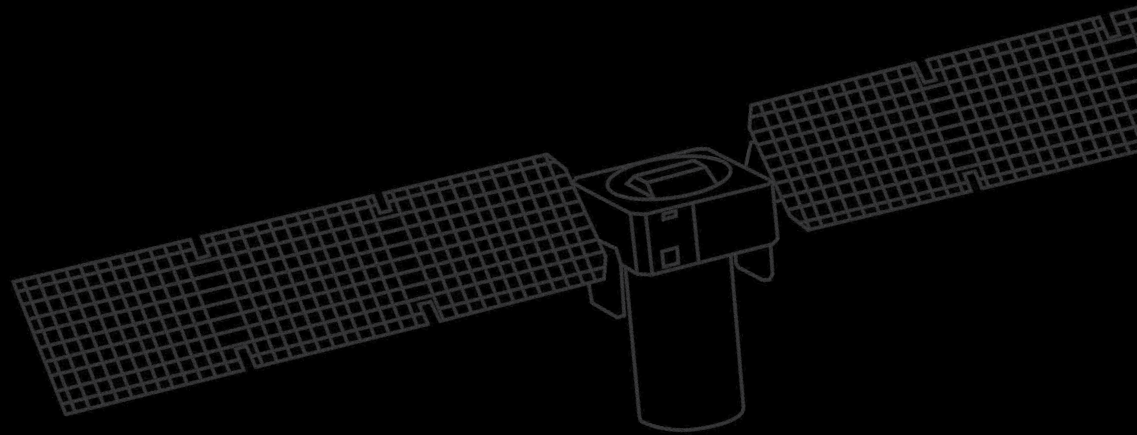


X-SAT
VENUS CLASS



X-SAT
SATURN CLASS

CLASS	11.732" Light Band	ESPA-Standard or large 15" launch vehicle interface	ESPA-Grande or equivalent 24" launch vehicle interface
POINTING ACCURACY	±0.002° (1-sigma), 3 axes, 2 Trackers		
SOLAR ARRAY POWER	SADA articulated Arrays 108W	One wing: 222W Two wing: 444W	One wing: 541W Two wing: 1082W
PAYLOAD MASS CAPABILITY	40 kg	70 kg	200 kg
ENERGY STORAGE	20.4 Ah	10.2 Ah	1 wing: 27.2 Ah 2 wing: 54.4 Ah
ORBIT ALTITUDE / ORBIT LIFETIME	LEO (> 5 years), GEO (> 2 years), Deep Space (> 2 years)		
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 available within rideshare envelope and in dedicated launch vehicle fairings
PROPULSION	Multiple electric and chemical propulsion systems available		



Our family of spacecraft offers complete end-to-end solutions for your mission needs. Featuring an extremely precise, highly powerful integrated spacecraft bus platform — ranging from a 3U CubeSat to an ESPA-Grande satellite — our versatile systems are built to accommodate any and all types of missions.

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