



SPACECRAFT BUSES,
SYSTEMS & SOLUTIONS



MINISATELLITE SPACECRAFT

MERCURY
CLASS

MINISATELLITE

CLASS

11.732" Light Band

ENERGY STORAGE

20.4 Ah

POINTING ACCURACY

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

ORBIT ALTITUDE / ORBIT LIFETIME

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

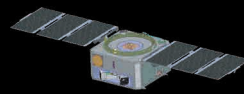
SOLAR ARRAY POWER (BOL)

SADA articulated Arrays 108 W

AVAILABLE PAYLOAD VOLUME

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

MINISATELLITE SUMMARY



MERCURY
CLASS



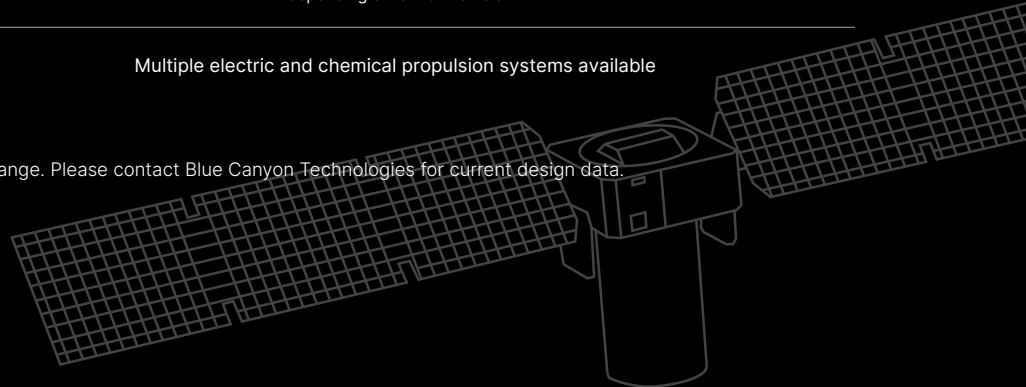
VENUS
CLASS



SATURN
CLASS

CLASS	11.732" Light Band	ESPA-Standard or large 15" launch vehicle interface	ESPA-Grande or Equivalent 24" launch vehicle interface standard, other options available
POINTING ACCURACY	±0.002° (1-sigma), 3 axes, 2 Trackers		
SOLAR ARRAY POWER(BOL)	SADA articulated Arrays 108W	One wing: 222 W Two wing: 444 W	1082 W
PAYLOAD MASS CAPABILITY	40 kg	70 kg	Standard Rideshare: 200 kg Specialty applications and options: up to 350 kg *CG and MOI dependent
ENERGY STORAGE	20.4 Ah	10.2 Ah	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) Large volume available depending on launch vehicle	30.0" X 30.0" X 40.0" (typical) Larger volume available within rideshare envelope and in dedicate launch vehicle fairings
PROPULSION	Multiple electric and chemical propulsion systems available		

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



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 minisatellite – our versatile systems are built to accommodate any and all types of missions.

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2550 Crescent Drive
Lafayette, CO 80026

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