



SPACECRAFT BUSES,
SYSTEMS & SOLUTIONS

SATURN-200

MINISATELLITE



CLASS

ESPA-Grande or Equivalent
24" launch interface standard, other options available

POINTING ACCURACY

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

SOLAR ARRAY POWER (BOL)

Two wing: 1082 W

PAYLOAD MASS CAPABILITY

Standard Rideshare: 200 kg
Specialty applications and options: up to 350 kg
*CG and MOI dependent

ENERGY STORAGE

1 wing: 27.2 Ah
2 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

MICROSAT & MINISAT SUMMARY



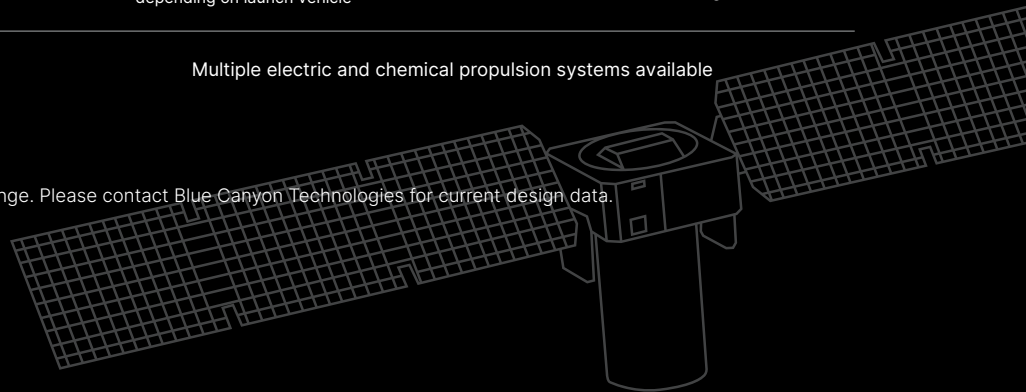
VENUS-100



SATURN-200

| | | |
|--|---|--|
| CLASS | 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) | One wing: 222 W Two wing: 444 W | 1082 W |
| PAYLOAD MASS CAPABILITY | 70 kg | Standard Rideshare: 200 kg Specialty applications and options: up to 350 kg *CG and MOI dependent |
| ENERGY STORAGE | 13.6 Ah | 54.4 Ah |
| ORBIT ALTITUDE / ORBIT LIFETIME | LEO (> 5 years), GEO (> 2 years), Deep Space (> 2 years) | |
| PAYLOAD VOLUME | 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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