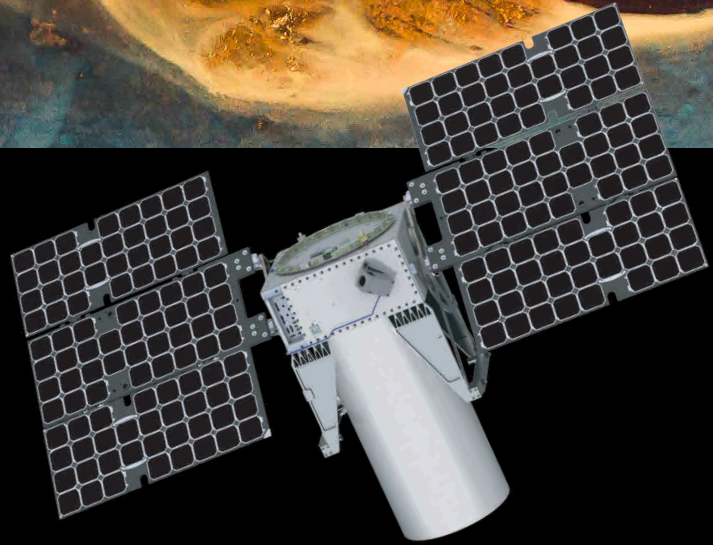




SPACECRAFT BUSES,  
SYSTEMS & SOLUTIONS

# VENUS-100

## MICROSATELLITE



# M - L I N E

### CLASS

ESPA- Standard or large  
15" launch vehicle interface

### POINTING ACCURACY

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

### SOLAR ARRAY POWER (BOL)

Two wing: 444 W  
One wing: 222 W

### PAYLOAD MASS CAPABILITY

70 kg

### ENERGY STORAGE

13.6 Ah

### ORBIT ALTITUDE / ORBIT LIFETIME

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

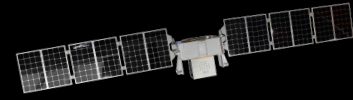
### AVAILABLE PAYLOAD VOLUME

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

# MICROSAT & MINISAT SUMMARY



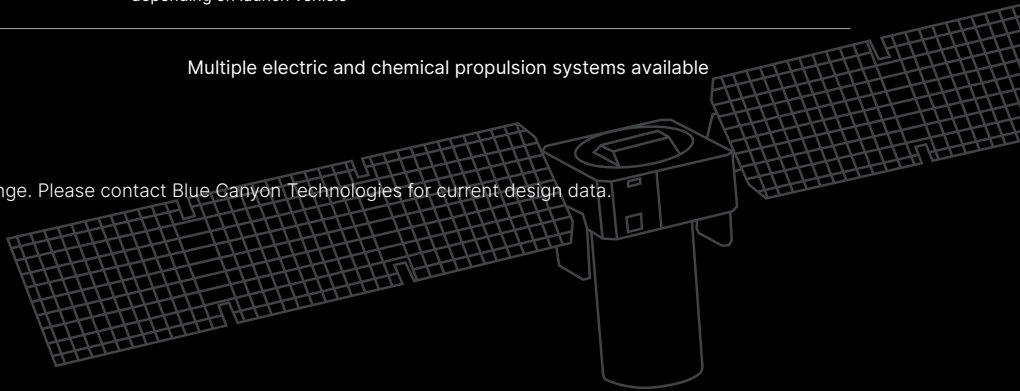
**VENUS-100**



**SATURN-200**

<b>CLASS</b>	ESPA-Standard or large 15" launch vehicle interface	ESPA-Grande or Equivalent 24" launch vehicle interface standard, other options available
<b>POINTING ACCURACY</b>	±0.002° (1-sigma), 3 axes, 2 Trackers	
<b>SOLAR ARRAY POWER(BOL)</b>	One wing: 222 W Two wing: 444 W	1082 W
<b>PAYLOAD MASS CAPABILITY</b>	70 kg	Standard Rideshare: 200 kg Specialty applications and options: up to 350 kg *CG and MOI dependent
<b>ENERGY STORAGE</b>	13.6 Ah	54.4 Ah
<b>ORBIT ALTITUDE / ORBIT LIFETIME</b>	LEO (> 5 years), GEO (> 2 years), Deep Space (> 2 years)	
<b>PAYLOAD VOLUME</b>	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
<b>PROPULSION</b>	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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