



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)

1082 W

PAYLOAD MASS CAPABILITY

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

ENERGY STORAGE

54.4 Ah

ORBIT ALTITUDE / ORBIT LIFETIME

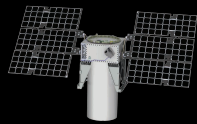
LEO (> 5 years), GEO (> 2 years),
Deep Space (> 2 years)

AVAILABLE PAYLOAD VOLUME

30.0" X 30.0" X 40.0" (typical)

Above stowed volumes keep payload within bus payload
deck footprint and ESPA/G/Rideshare radial dimensions.
Larger stowed volumes can be accommodated depending
on launch vehicle configuration. Deployed volumes are CG
and MOI dependent.

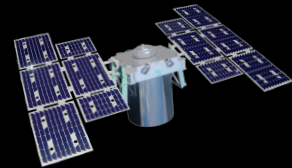
MICROSAT & MINISAT SUMMARY



VENUS-100



SATURN-200



SATURN-400

CLASS	ESPA-Standard or large 15" launch vehicle interface 4-point interface available	ESPA-Grande or Equivalent 24" launch vehicle interface standard, other options available	Rideshare compatible
POINTING ACCURACY	$\pm 0.002^\circ$ (1-sigma), 3 axes, 2 Trackers		
SOLAR ARRAY POWER(BOL)	One wing: 222 W Two wing: 444 W	1082 W	1876 W
PAYLOAD MASS CAPABILITY	70 kg	Standard rideshare: 200 kg Specialty applications and options: up to 350 kg *CG and MOI dependent	Standard rideshare*: 250 kg (objective) Cake-Topper*: 600 kg (objective) *CG and MOI dependent
ENERGY STORAGE	13.6 Ah	54.4 Ah	75 Ah Options for increased energy storage available.
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)	30.0" X 30.0" X 40.0" (typical)	40.0" X 40.0" X 45.0" (objective)
Above stowed volumes keep payload within bus payload deck footprint and ESPA/G/rideshare radial dimensions. Larger stowed volumes can be accommodated depending on launch vehicle configuration. Deployed volumes are CG and MOI dependent.			
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 and larger – our versatile systems are built to accommodate any and all types of missions.

With robust power systems, secure data handling and resilient performance, our suite of solutions are time-tested and proven-reliable, even under the harshest conditions. Get ready for a new era of peak performing, cost-efficient spacecraft solutions.



2550 Crescent Drive
Lafayette, CO 80026

BLUECANYONTECH.COM

REV 1/2026
24-T-2368