

SPACECRAFT SYSTEMS	Power without Contingency (w)	Contingency		Power with Contingency (w)
		%	(w)	
Electrical Power System (EPS)	90.000			90.000
<i>Power Management and Distribution</i>	0.000			0.000
<i>Solar Arrays (conformal exterior)</i>	0.000			0.000
<i>Batteries (conformal propulsion tank corners)</i>	0.000			0.000
Communications System (COMM)	0.000			
<i>Ka Band Radio</i>	0.000			0.000
<i>Antenna (TX+RX integrated w/solar arrays)</i>	0.000			0.000
Data Management System (DMS)	0.000			
<i>On Board Computer</i>	0.000			0.000
Structures & Mechanisms	0.000			
<i>Integrated with each system</i>	0.000			0.000
Attitude Determination & Control System (ADCS)	0.000			
<i>Subsystems</i>	0.000			0.000
Guidance, Navigation & Control System (GN&C)	0.000			
<i>Subsystems</i>	0.000			0.000
Propulsion System	0.000			
<i>Hybrid Trajectory Injection Motor Core</i>	0.000			0.000
<i>Hybrid Trajectory Injection Motor Fuel Tank</i>	0.000			0.000
<i>Ion Thrusters (Four Total)</i>	0.000			0.000
Thermal System	0.000			
<i>Integrated with each system</i>	0.000			0.000
Primary Payload Encoded Bit Stream	0.000			
<i>Allocated to Data System</i>	0.000			0.000
Scar for Secondary Payload (future)	0.000			0.000
<i>Estimated Spacecraft Total Power</i>	66.460			0.000
Total Spacecraft Power Margin* (w)	23.540			0.000

*Assumes solar array as source, battery can supplement and/or make up for non-optimal pointing.