

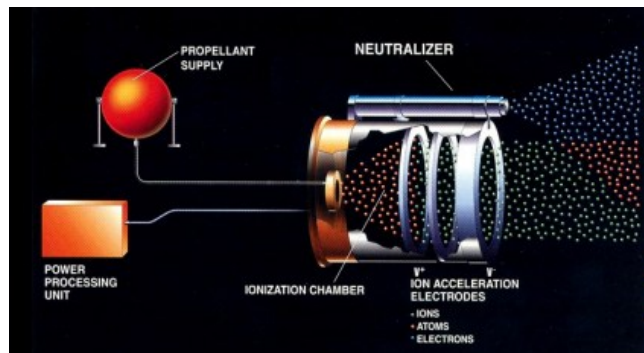
# 25 cm XENON ION Propulsion System (XIPS)



25 cm XIPS® Thruster



XIPS® Power Processing



## KEY FEATURES

- Space qualified and proven reliability
- Produces thrust 10 times more efficiently than conventional chemical combustion
- Reduces spacecraft onboard propellant requirement by 90%
- Options for: increased payload capacity, reduced launch costs, longer operational life
- Unmatched efficiency and precision in station keeping
- Two operating modes:
  - High Power (4.5 kW) for Orbit Raising
  - Low Power (2.2 kW) for Station Keeping

Parameter	Lower Power	High Power
Total Input Power (W)	2.2 kW	4.5 kW
Average ISP	3400 secs	3500 secs
Thrust	79 mN	165 mN
Mass Utilization Efficiency	80%	82%
Typical Electrical Efficiency	87%	87%
Input Voltage	100 V regulated	
XPC Efficiency	91%	
XPC Mass	46 lbs	
Thruster Mass	30 lbs	

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