

BHT-200

Hall Effect Thruster

Outsized performance in a compact package.

**The first US Hall effect thruster in space.
A mature propulsion system with flight heritage
and high performance.**



The BHT-200 is a high performance and mature propulsion system with flight heritage aboard the Air Force Research Laboratory's TacSat-2 and FalconSat-5 satellites. The thruster is presently operating on-orbit on the FalconSat-6 satellite.

The BHT-200 is the first US-designed and US-built Hall Effect thruster used in-space on operational satellites, and is subject of numerous technical papers and journal publications. The BHT-200 is the most extensively studied US Hall Effect thruster, and the lessons learned from it have made our line of Hall thrusters the best in the industry.

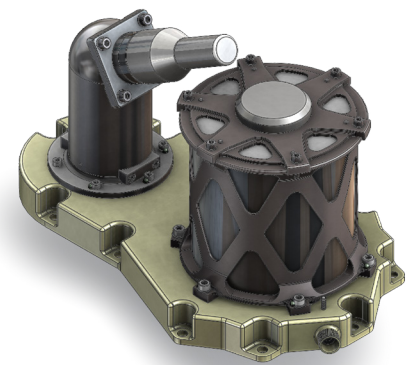


Table: Standard Specifications

Discharge Power:	200 W	Thruster Mass:	0.98 kg
Voltage:	250 VDC	Cathode Mass:	0.12 kg
Thrust:	13 mN	Demonstrated Impulse:	74.88 kN-s
Specific Impulse:	1390 seconds	Predicted Total Impulse:	>140 kN-s
Propellants:	Xenon, Iodine		

Busek provides complete and fully integrated Hall Effect thruster systems that work with the BHT-200, including cathode, power processing unit, digital control unit, and propellant management systems.