

BHT-6000

Hall Effect Thruster

High power. High Performance.



Taking us to the moon.

Busek is proud to provide the BHT-6000 for the Power and Propulsion Element (PPE) as part of NASA's Artemis program. The PPE, built by Maxar Technologies and operated by NASA, is a high-power, 60-kilowatt solar electric propulsion spacecraft that will provide power, high-rate communications, attitude control, and orbital transfer capabilities for the Lunar Gateway.

High-performance and long life Hall thruster designed for mid-to-high power applications.

Busek's BHT-6000 (2-6kW) Hall effect thruster is optimized for high power all-electric orbit raising, station-keeping, and de-orbit needs. Applications include the Lunar Gateway, GEO communications spacecraft, and solar electric space tugs. The solar electric thruster is based upon decades of space propulsion design and development expertise, and features a highly efficient center-mounted cathode design.

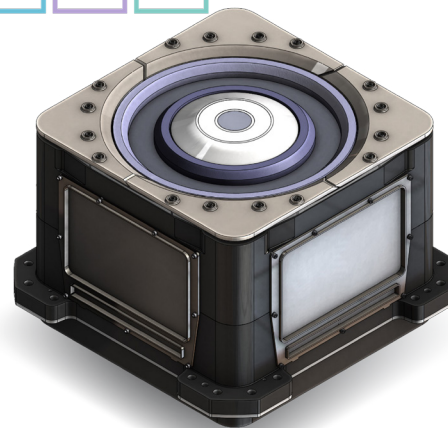


Table: Standard Specifications		High Thrust Mode		High Impulse Mode
Assembly Mass:	13.5 kg	Discharge Power:	5,000 W	6,000 W
Predicted Total Impulse:	> 8.5 MN-s	Voltage:	300 V	600 V
Propellants:	Xenon, Krypton	Thrust:	320 mN	288 mN
		Specific Impulse:	1900 s	2,600 s