



Apollo Fusion (Astra)

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as of 20 August 2026

Apollo Fusion (Astra)

Apollo Fusion (Astra) designs and manufactures electric propulsion systems for satellites. Their product line includes satellite engines that use Xenon or Krypton propellant, with input power up to 1 kW, and multi-thruster configurations (2-string, 3-string, 4-string) for varying thrust and total impulse requirements. These systems are flight-proven and have extensive on-orbit flight heritage. The company also offers launch services. Astra's customers include partners like Planet and the Department of Defense. Astra is headquartered in Alameda, California, where its products are designed, built, tested, and manufactured. Astra acquired Apollo Fusion. Astra was founded five years before achieving orbit. Astra has achieved orbital launches for the Space Force Test Program and has received a Part 450 launch license from the FAA. They have completed production lines for Rocket 4.0 and delivered multi-thruster satellite engine flight sets.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

SERVICES

Services

Launch Services

Astra offers dedicated orbital launch services with a focus on low cost, rapid deployment, and direct access to specific orbits for customer missions.

Licensing and Regulatory Support (Part 450)

Astra has experience securing Part 450 launch licenses from the FAA, which allows for higher launch cadence and greater regulatory flexibility.

Multi-Thruster Mission Configurations

Astra helps customers configure multi-thruster satellite engine systems to meet specific mission requirements, including pairing with appropriate propellant tanks.

Product catalogue



APOLLO FUSION (ASTRA)

Apollo Constellation Engine

ACE is a compact Hall-effect thruster propulsion system developed by Apollo Fusion (acquired by Astra in 2021) for smallsat and constellation electric propulsion, offering multi-pr

Thruster type	Hall-effect thruster
Propellant	Krypton, Xenon, or proprietary propellants (multi-propellant capable)
Input power	400 W (operable 280-600 W)
Thrust (Krypton)	~18 mN
Thrust (Xenon)	~25 mN
Specific impulse (Krypton)	~1,300 s
Specific impulse (Xenon)	~1,400 s

price on request



APOLLO FUSION (ASTRA)

Apollo Constellation Engine (ACE) Ion Thruster

Apollo Fusion's ACE — a 200 W Hall-effect ion thruster for small satellites, providing cost-effective electric propulsion for constellation station-keeping and orbit transfers.

Type	Hall-effect ion thruster
Power	200 W
Thrust	~12 mN
Specific Impulse	~1,600 s
Propellant	Xenon
Founded	2016, San Jose, California; acquired by Astra 2021
Applications	LEO constellation maintenance, orbit raising, deorbit

price on request

Contact Apollo Fusion (Astra)

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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