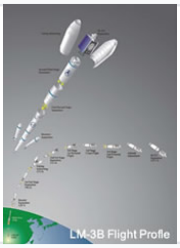
LM-3B Launch Vehicle

The LM-3B launch vehicle facilitates international satellite launches, particularly for high power and heavy communications satellites. Development started in 1986, leveraging proven technology from previous Long March launch vehicles.

ADDITIONAL IMAGES



Overview

LM-3B Launch Vehicle

The LM-3B is a high-performance launch vehicle engineered to meet the demands of the international satellite launch market, specifically targeting heavy communications satellites. Building upon the flight-proven technology of the Long March family, this vehicle utilizes a core stage with four strapped-on liquid boosters. Its enhanced version, the LM-3B/E, offers increased capacity for heavy GEO missions, demonstrating a reliable heritage in orbital deployment.

Performance Metrics

GTO Capacity (Standard)

5100 kg
GTO Capacity

GTO Capacity (Enhanced Version)

5500 kg
GTO Capacity (LM-3B/E)

Technical Specifications

Configuration	Core Stage, 4 Liquid Boosters, Multi-stage

Flight Profile

Ascent Timeline

Event	Time (T+)
Liftoff	0 s
Booster Separation	140 s
1st Stage Separation	140 s
Fairing Separation	200 s
2nd Stage Separation	205 s
3rd Stage Separation	565 s