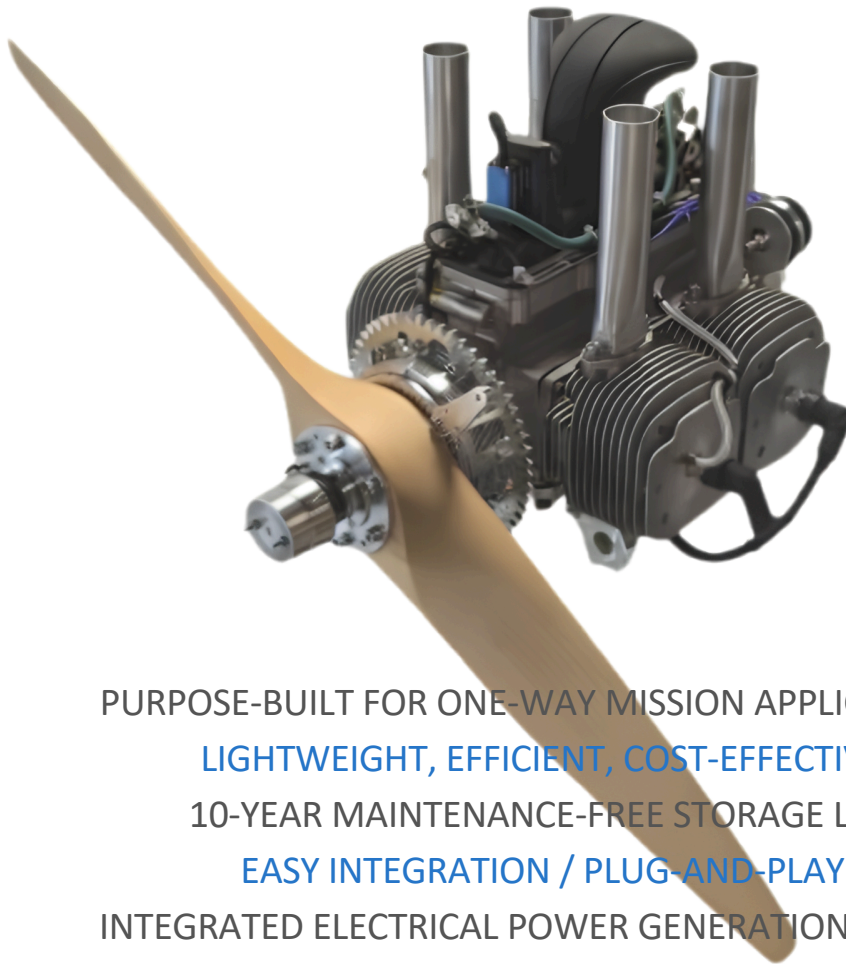
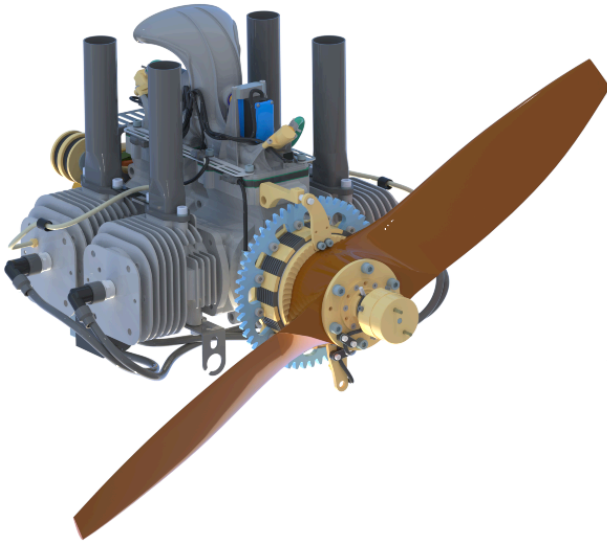


# MG-i550

**50 HP-CLASS EFI ENGINE**  
**2-Stroke, 550cc**



PURPOSE-BUILT FOR ONE-WAY MISSION APPLICATIONS  
LIGHTWEIGHT, EFFICIENT, COST-EFFECTIVE  
10-YEAR MAINTENANCE-FREE STORAGE LIFE  
EASY INTEGRATION / PLUG-AND-PLAY  
INTEGRATED ELECTRICAL POWER GENERATION OPTION  
MULTIPLE STARTING SYSTEM OPTIONS  
REDUNDANT CONTROL INTERFACE  
MONITORING AND DATA LOGGING CAPABILITY  
CLUTCH OPTION FOR CANISTER LAUNCH APPLICATIONS  
SERVICE SOFTWARE SUPPORT



## Application Area

- One-Way Mission Applications

## General Features

- 2-stroke, 550 cc, 4 Cylinders
- Gasoline engine using 40:1 fuel/oil premix
- Electronic fuel injection system (EFI)
- Fully integrated system
  - ECU, sensors, fuel pump, fuel filter
  - Exhaust pipes, propeller, starter
  - Vibration isolators, mounting bracket
  - Alternator, DC voltage regulator
- Single military-grade connector interface
- Easy installation and maintainance
- Weather-resistant & EMI shielded electronics and wiring harness
- Service software support for engine operation, data download, calibration updates and configuration tracking

## Technical Specifications

- Engine Power : 50 HP (0 m, ISA)
- Specific Fuel Consumption : 440 g/kWh (Cruise)
- Propeller : 30 / 31 / 32 inch
- Propeller Rotation Direction : CCW
- Electrical Supply : 12 ± 2 VDC, 6A
- Electrical Output : 1200 W @28 VDC
- Communication : CAN Protocol
- Service Life : 30 hours
- Maintenance Interval : 10 years\*
- Engine Weight : 17.5 kg
- Optional Clutch Weight : 1.95 kg
- Optional Starter Weight : 2.45 kg
- Optional Alternator Weight : 1.1 kg
- Optional Volt. Reg. Weight : 0.7 kg
- Optional Propeller Weight : 0.65 kg

\*Annually short run required

## Environmental Conditions

- Ambient Temperature : -39 / +55 °C
- Starting Temperature : -32 / +70 °C
- Altitude : -1000 / 20000 ft

## Dimensions (mm)

