

Lunar Mobility Vehicle Data Sheet

For customers requiring lunar night survivability, robust mobility services, and new mission possibilities.

Fully NASA LTV compliant system with extended rover range, a very capable robotic arm, high data rates, and the ability to access permanently shadowed regions. LMV pricing includes all comm relays, integration support, and operational services. The vehicle hosts standardized payload interfaces with ample room for mission creativity and customization.



VEHICLE

- Total Payload Capacity: 1000+ kg
- Towing Capacity: 500+ kg
- Life: 30,000 km
- Lunar Night Survival: 355 hr
- Max Speed: 20 kph (crew), 8 kph (teleop)
- Average Range per Charge: 300 km
- Range per Lunar Day: 1000+ km
- 4 Wheel Drive Modes: Teleoperated, Automated & Manual
- Latitude Operating Range: 60°-90°
- Slope Capability: 20°
- Downlink to Earth: 50 Mbps via Parsec™
- Uplink to LMV: 15 Mbps via Parsec™
- Surface Illumination: 360°
- Ground Clearance: 0.35 m
- Environmental & Mapping Data Available: LiDAR, Radar, 4K Video, Illuminated Cameras, Neutron Spectrometer
- Total Payloads Daytime Power Allocation: 200 W nominal & up to 1 KW as required

ROBOTIC ARM

- Reach: 2.5 m
- Carrying Load: up to 70 kg
- Placement Accuracy: +/- 15 mm of target

SINGLE STANDARD UPAS SLOT

- Payload Capacity: up to 70 kg per slot
- Comm to LMV: Wi-Fi & Ethernet
- Power Voltage: 28 & 120 VDC
- Nighttime Power Available
- Robotic Arm Services Available
- LMV Payload Data Storage Available

STANDARD UNIVERSAL PAYLOAD ADAPTER SYSTEM (UPAS) SLOT

