Mobility as a service for your mission critical demands



The benefits of CubeRover

Affordable
Orders of magnitude lighter than traditional rovers. Mass = cost and these savings are passed on to you.

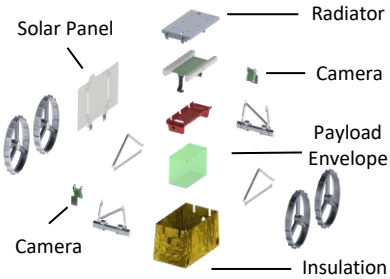
Scalable
Larger CubeRovers utilize the same structural, power, thermal, avionics, and software systems to minimize re-engineering costs and risks.

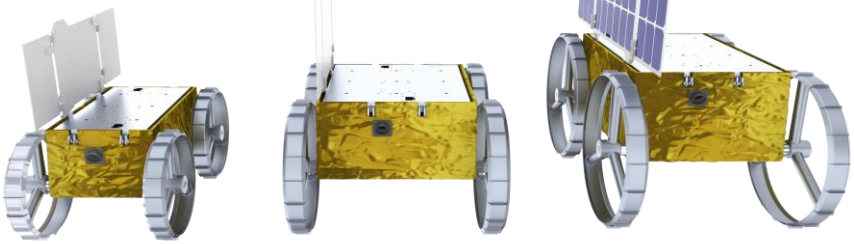
Modular
Supports top and bottom mounted payloads, and several lander configurations.

CubeRover elevates your mission capabilities

CubeRovers are a class of small-scale planetary rovers revolutionizing access to the Moon. CubeRovers use flight heritage, off-the-shelf components, and are capable of performing science missions and technology demonstrations at a fraction of historical prices. Akin to CubeSats, each CubeRover unit or "U" can support a 10 x 10x 10 cm payload that weighs 1 kg. This standard configuration is scalable to support demanding payloads with robust services.

CubeRover Product Line Specifications





SYSTEM DETAILS	2U	4U	6U
Rover Mass	4.6 kg	8 kg	10.6 kg
Payload Capacity	Up to 2 kg	Up to 4 kg	Up to 6 kg
Guaranteed Payload Envelope	20 x 10 x 10 cm	20 X 20 X 10 cm	30 X 20 X 10 cm
Non-Standard Payload Envelope	Additional 2100cm^3 internal and 910cm^3 external volume available	Additional 3900cm^3 internal and 1768cm^3 external volume available	Additional 5700cm^3 internal and 2625cm^3 external volume available
Payload Nominal Power Services	100 Wh +	150 Wh +	200 Wh +
Payload Power Interface	28 Vdc		
Payload Thermal Environment	-20C to 60C		
Payload Wired Interface	RS-422		
Payload Comms Services	10 kbps per kilogram		
Payload Wireless Standard	WLAN 802.11n		
Payload Data Storage	32 Gb +		
Nominal Speed	4 cm/s		
Mission Duration	8 Earth days		

Non-standard services can be made available upon request.

Contact Us to Learn More

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