LEOS-100 Platform

LEOS-100 takes small satellites above and beyond. It builds on the proven LEOS-50 avionics but pulls all the stops on performance. There are two versions of LEOS-100: LEOS-100HR with body mounted panels supports large high precision instruments with 50cm GSD earth observation and LEOS-100HP supports Missions up to 2kW power requirement and up to 120kg-m² system moment of inertia.

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<th>LEOS-100HR</th>
<th>LEOS-100HP</th>
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| **System**       | Volume: 600x600x800mm³  
Mass: 120kg with electric propulsion 
Design Life: 5 year LEO | Volume: 600x600x800mm³  
Mass: 150kg with electric propulsion 
Design Life: 5 year LEO |
| **Payload**      | 600x600x600mm³  
30-50kg (recommended)  
60W av. 300W peak | 600x600x600mm³  
50-75kg (recommended)  
300W av. 2000W peak |
| **Bus**          | Very Fast Target Pointing (5°/s),  
S-Band TT&C, 320Mbit/s X-Band downlink, Fully Encrypted (Data & TT&C), Electrical Propulsion | Fast Target Pointing (1.2°/s),  
S-Band TT&C, 640Mbit/s X-Band downlink, Fully Encrypted (Data & TT&C), Electrical Propulsion |