ISS Oxygen Generation System  
  
[ESA - Oxygen Generation System Rack](https://www.esa.int/Science_Exploration/Human_and_Robotic_Exploration/Node-3_Cupola/Oxygen_Generation_System_Rack)  
Oxygen Generation System Rack

[NASA TechPort - Project](https://techport.nasa.gov/projects/157887)  
TechPort / Advanced OGA project page.  
  
[Life Support System For Human Exploration From ISS to Future Space Missions](https://www.researchgate.net/publication/380466352_Life_Support_System_For_Human_Exploration_From_ISS_to_Future_Space_Missions?utm_source=chatgpt.com)  
Resources explaining how the system works in normal conditions, and the oxygen and water requirements it meets.

**summary:**  
The ISS **Oxygen Generation Assembly (OGA)** electrolyzes water to produce breathable O₂ and H₂. Nominal production is about **5.4 kg/day** in standard cyclical operation; higher selectable production modes exist. The OGA is a core component of the station’s ECLSS and has been the subject of upgrades (Advanced OGA) to improve reliability and reduce maintenance  
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