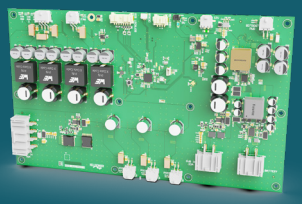
SLUICE BOARD

POWER SUPPLY BOARD

The Hellbender Sluice consolidates power management for an entire autonomy stack into a single board, alleviating typical system design and integration pains. It regulates and distributes up to 900W of power, integrating battery backup power to insulate mission critical components from unreliable system power.



SPECIFICATIONS

Dimensions	250mm x 150mm
Power Input	9 - 36 VDC, 900W Max
Power Output	1x 18V @ 10A (Thor Carrier, regulated; includes connector to optional external battery for uninterruptible power supply) 3x Protected and switched passthrough power 4x 24V @ 5A max 1x 12V @ 1A max 1x 5V @ 1A max
Compute	RP2350A
Communications	1x UART 1x USB 2.0
Mechanical Interface	11x M3 Mounting Holes
Environment	Recommended operating temperature -30 to 60°C
Configuration	Power channel monitoring and control available via RP2350A, accessible via USB 2.0