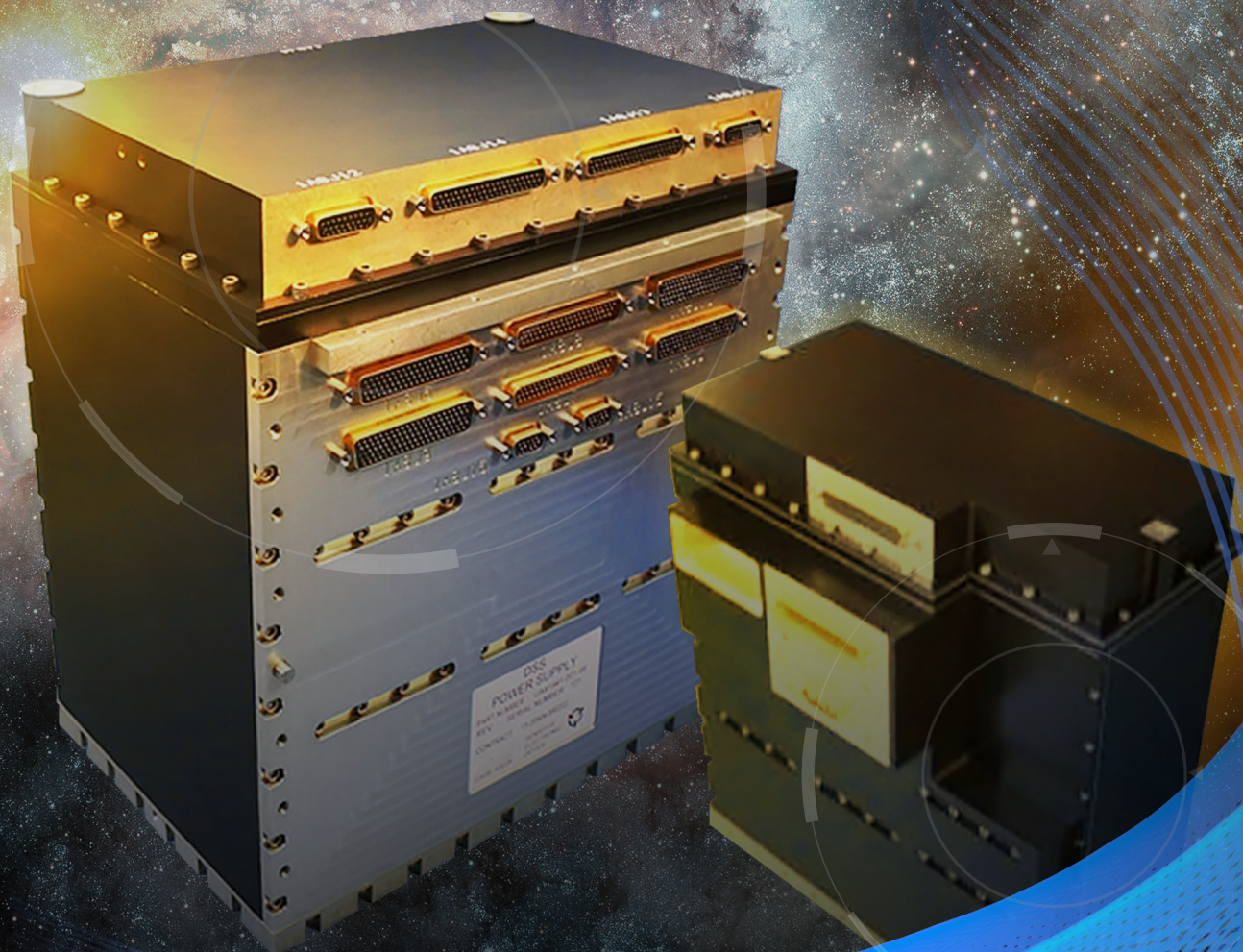




# Power Converters



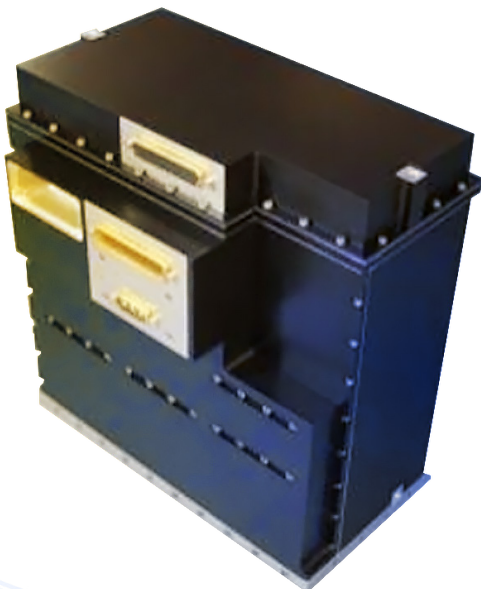


# Power Converters



## Power Conditioning Unit (PCU)

BlueHalo's Power Conditioning Unit is a payload imager power-conditioning system featuring multiple isolated DC-DC Converters ranging from 3V to 24V, 1A to 32A. All PCU converters are phase-locked to an external clock reference for interference-free operation. Additional features include integrated and programmable sequencing control (on and off sequences) and remote sensing on all outputs for precision regulation and fault tolerance functions. The BlueHalo PCU is fully qualified to space environment standards.



## Imager Power Supply Series

BlueHalo's Imager Power Supply Series is an image processing power-conditioning system featuring multiple isolated DC-DC Converters ranging from 3V to 24V, 1A to 32A. All IPS Power Supply converters are phase-locked to external clock reference for interference-free operation and are fully qualified to space environment standards. Additional features include:

- Forward and Flyback Structures
- Isolated and Independent
- Remote Sensing (OV and Regulation)
- OV and OC Fault Detection (latched)
- Synchronizing Clock for all Converters
- Integrated Sequencing Control

