



Master Power Supply

Power Everything in Your Aircraft Seats

A Single Product Powers it All

The Master Power Supply (MPS) from Astronics PGA supplies power to any box in 28 VDC with 115 VAC/360 Hz/800 Hz from the aircraft.

It serves as the cornerstone of the modular nano architecture. The MPS powers up to 4 seats, with a single Nano Seat Controller (NSC) to drive them.

The MPS and NSC are the very first motion power supplies used and certified for the A350.

Simpler Diagnostics and Maintenance

MPS is equipped with power management functions and centralized built-in test equipment (BITE). It communicates with inflight entertainment (IFE) systems via the

Arinc 485 bus interface. You can launch a full BITE test to check all equipment connected to the MPS. Collected data can be sent through your IFE system or accessed via the Astronics PGA Carat® Easy Monitoring Solution.

Two Ways to Use It

NSC partner

The MPS powers up to 4 NSC on your LOPA. Working together, the MPS is an excellent partner to build a NSC-based system for your cabin.

Standalone power supply

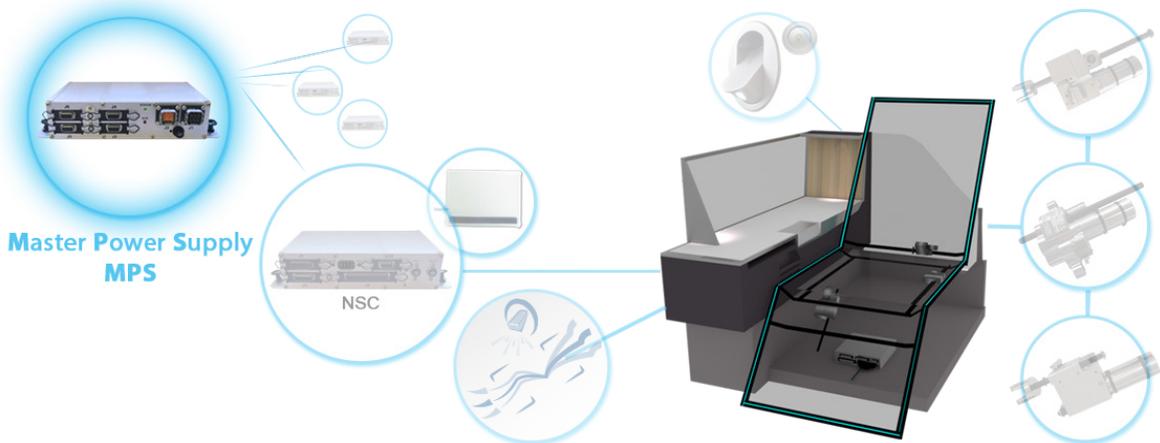
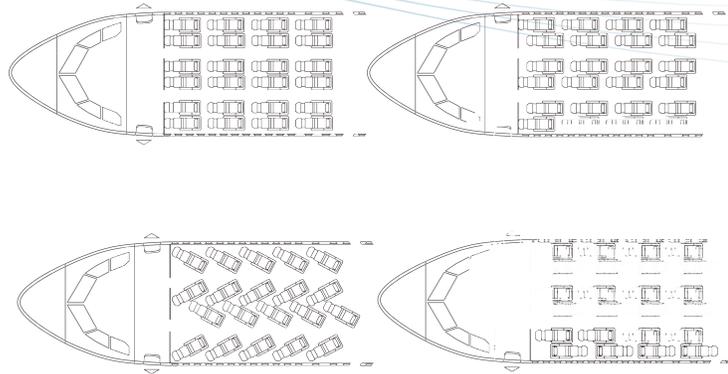
The MPS can also function in standalone mode, providing up to 210 W to power and communicate with any 28 VDC device in your cabin. Create your architecture to optimize the number of boxes.

KEY BENEFITS

- Designed and compliant with the latest Airbus and Boeing systems including A350 & 787/777X
- Compliant with EMI requirements (MEF) with non-shielded cables
- Centralized power supply shared to power up to 4 PAX with IFE interface capability
- Mature design and proven reliability
- Integrated smart BITE
- Health report monitoring available
- Managed by Carat® Easy Monitoring Solution

Very Flexible Architecture to Adapt Your Power Consumption Needs

- Power up to 4 NSC
- Power up to 10 high-power light sources
- Maximum power output 210 W



Get Started Today

For additional details, please contact Astronics PGA.

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PRODUCT SPECIFICATIONS

- **Mechanical (approx)**
 - 8 W x 4.94 D x 2 H (")
 - 204 W x 124 D x 52 H (mm)
 - 3.4 lbs (1.54 kg)
- **Compliant to Airbus**
2520M1F001200 Issue 4 &
Boeing D6-36440 Rev G compliant
- **MTBF > 550,000 FH**
- Efficient local power management system
- Internal memory for log events
- RS485 & CAN bus
- Easy software update by customer

RELATED PRODUCTS



Actuators



Nano Seat Controller



Reading Lights

PGA Electronic is committed to quality and is EN9100 and ISO 9001 registered. Carat® is a registered trademark of PGA Electronic.

