

EMPOWER[®] System

110 Volt AC In-Seat Power Supply (ISPS)

P/N 1191-6 (Three Outputs)

P/N 1191-8 (Two Outputs)



Size:

5.25 in W x 6.56 in D x 2.36 in H
(133.4 mm W x 166.5 mm D x 60.0 mm H)

Weight:

1.89 lbs
(0.86 kg) nominal

Features

- The EMPOWER[®] 110VAC ISPS design is based upon our patented, highly efficient, state-of-the-art power supply technology
- Certified and line-fit offerable on Airbus and Boeing aircraft
- PMA on multiple aircraft types
- Designed and tested to meet applicable Airbus, Boeing, and industry specifications including variable frequency of 360Hz to 800Hz being adopted by Airbus for the A380 and Boeing for the 787 aircraft
- Two and three outlet versions at 150 VA per outlet for a total power of up to 225 VA per ISPS
- Weighs 1.89 lbs (nominal) and is compatible with existing EMPOWER[®] DC ISPS mounting and cabin cabling for an easy and economical upgrade path to a 110VAC system from a DC system
- Enhanced safety features include:
 - Fully compliant with FAA requirements on PC power systems
 - GFI circuit protection at 6mA/30mS
 - Dual redundant thermal management protection
 - Conducted AF and RF filtering circuits
 - Short circuit, over/under-voltage protection with auto recovery and GFI protection for AC
- Passive cooling (silent / no fan)
- Includes RS-485 interface to meet the Airbus "Enhanced Cabin" architecture with integrated IFE for total cabin power management. Compliant with ARINC-485 specification
- Includes separate DC power outputs for individual reading lights and up to 3 (independent) in-use light indicators per ISPS
- Provisioned for future upgrades to include additional functions and features such as Wireless LAN, noise canceling headphones, seat power control cards, and more
- For use with Advanced Master Control Unit (AMCU) on new and retrofit applications
- Available on Airbus and Boeing aircraft

Specifications

- AC Output: 225 VA total — up to 150 VA per output
- UL 943 GFI (6mA/30mS)

Actual product specifications may have changed since the printing of this brochure. Brochure specifications are not binding. Confirm current specifications at time of order.

