



FIELD
AVIATION

Benefits

- Provides onboard AC charging for electronic devices
- 110 VAC outlet is compatible with 170 countries plug types
- Designed and tested to meet all RTCA/DO-160D requirements

Certification Basis

- TC STC
- FAA STC
- EASA STC

Complementary Mods

- VIP Interior
- In-Flight Entertainment System

EmPOWER® In-seat AC Power System

DHC-8 100/200/300 • CRJ Series

The EmPOWER In-seat AC Power System provides individual AC power outlets for passenger and flight crew use. The EmPOWER system provides the highest available power, up to 150 VA per outlet, to support laptops and personal electronic devices.



Several AC outlet types are available depending on aircraft power source and country of operation. There is also the USB/AC power outlet that provides 5 VDC charging capability for all types of USB chargeable devices such as smart phones, tablets and cameras.

Outlets can be installed in different locations such as passenger seats, side ledges, bulkheads, galleys and in the cockpit. The plastic outlet cover is available in a variety of colours to complement the surrounding interior décor.

Every EmPOWER system is based on patented, highly efficient technology with enhanced safety features to address the most demanding requirements including:

- GFI circuit protection
- Dual redundant thermal management protection
- Short circuit, over/under voltage protection with auto recovery and GFI protection
- Power is only supplied to outlets when both prongs of an AC plug are inserted simultaneously
- Silent, fan-less operation

Both 115 VAC systems and 28 VDC to 115 VAC systems are available depending on the available aircraft power source. The 28 VDC to 115 VAC system incorporates an inverter directly in the power supply units, avoiding the need for a separate inverter unit and simplifying the installation.

www.fieldav.com

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