

Integrated Static Inverter

AS-24-0026

In use on Embraer Phenom 100 and Phenom 300

The Avionics Services Static Inverter device transforms 28VDC power into 110VAC 60Hz power to be used in aircraft to power up laptops or any other passenger's electronic device. It is also able to feed up to 8 simultaneous connections. The system was designed to work with Airbus KID Systeme outlets, but can be used with all other outlets available in the market.



Specifications

Power: Continuous: 700 Watts

Max 10 minutes: 1,000 Watts;

Max Power per AC Outlet Channel: 130 Watts;

Operation Voltage Range: 22 at 30 VDC;

Temperature: -20° to +70° Celsius;

MTBF: >20,000 Hours;

Efficiency: >80%;

Three LED Status Indication:

- 1st: 28 VDC Input - Ok;
- 2nd: 110 VAC – 60 Hz Output - Ok;
- 3rd: Inverter - Failed

Qualification: RTCA DO 160 Rev E

Weight: 5.73 lbs (2.6 kg),

External Dimensions: 13 x 6.3 x 3.45 in
(330 x 160 x 88 mm)

Advantages

- Internal Power Source (5VDC) to LED AC Outlet Status Indication;
- Safety interlock circuit to provide power for each outlet;
- Internal Ground Fault Interrupter Circuit Protection;
- Remote control (On/Off – Ground signal);
- Automatic reset fuse for each output;
- Decompression Shutdown Circuit;
- Automatic reset thermal switch;
- Over/under voltage protection;
- Internal Overload Control;
- Quiet < 62 dB. Internal fan operative when necessary;
- Do not require special tool to install;
- Can be used with main AC Outlet aircraft suppliers;
- Not required operational checks, failure is detect during pre-flight;

Other Models



AS-24-0010

Used on Embraer Ipanema