BB-PS12VLB-INT-MED

12 VDC Medical-grade Power Supply with Locking Barrel Plug

Introduction
Model BB-PS12VLB-INT-MED is a medical-grade, 12 Vdc power supply with a locking barrel plug for secure connections. It features 100–240 Vac input voltage (50-60 Hz) and 12 Vdc output. 4 kV isolation protects sensitive equipment from surges. Included international adapter blades allow connection anywhere in the USA, EU, Australia, UK or Canada.

Features
- 100 - 240 Vac, 50 - 60 Hz input
- 12 Vdc constant voltage output
- Medical grade
- Locking barrel plug
- 4 kV isolation
- Regulated switchmode AC-DC
- International input blades (included)

Specifications
Power – Input, Output
- Input Voltage: 100 - 240 Vac (90 - 264 Vac)
- Input Current (RMS): <0.6 A, maximum
- Input Frequency: 50 - 60 Hz (47 - 63 Hz)
- Input Configuration: Wall, plug-in; interchangeable, international blades.
- Output Voltage: 12 Vdc
- Output Current: 2.08 A
- Output Regulation: ±5% nominal output voltage
- Line Voltage Regulation: ±1% maximum, full load
- Output Ripple: <1%, typical
- Output Plug: Female locking barrel, straight, center positive (+V) 5.5mm outer diameter, 2.5mm center conductor, 13.8mm length, 6.5mm thumb screw
- Power Range: 25 W
- IN-rush Current: 30A max, 120Vac cold start; 60A max. 230Vac cold start
- Switching Frequency: 66.5 KHz, typical

Isolation / Surge Protection
- Over-Voltage Protection: Limited to <130% of nominal voltage for main output
- Over-Current / Short Circuit: HICCUP with auto-recovery to 1.1 – 1.3 IO
- Other Protection: Input fusing
- Dielectric Withstand Voltage: 5656 Vdc, primary to secondary
- Isolation: 4 kV

Mechanical
- Dimensions, Main Housing: 84.0 x 56.0 x 37.9 mm
- Material, Main Housing: High-impact plastic, 94VO polycarbonate, non-vented
- AC Blades Included: USA, EU, UK, AU, CN

Ordering Information
Model No. | Description
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BB-PS12VLB-INT-MED | Power Supply – 12 Vdc, Medical Grade, International Input Blades

Meantime Between Failures (MTBF)
- MTBF: 200000 hours (+25 °C , ambient)

Environmental
- Operating Temperature: 0 to +40 °C (+32 to +104 °F), ambient
- Storage Temperature: -40 to +80 °C (-40 to +176 °F), ambient
- Humidity: 0 to +90%, relative

Regulatory – Approvals / Standards / Directives
- Certifications: FCC Part 15 Class B, Level IV, CE, RoHS-3, REACH-209, WEEE, cRus, CCC 2MOPP, C-Tick, China RoHS, GOST-R, NiCAN, Japan TUV, Ukraine UKRSepro, VCCI
- CE: EMI: EN55011 Class B
- EN 55032 + AC
- EN 61000-3 -2, -3
- EN 60601-1-2
- EN 55004
- EN 50082-1
- EN 61000-4 -2, -3, -4, -5, -6, -8, -11
- EN 61000-1-2

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BB-PS12VLB-INT-MED_0721ds

All product specifications are subject to change without notice.
Dimensions

Enclosure

Output Plug

Input Blades

North American
Japan

Australia

United Kingdom
Hong Kong
Singapore

Europe
South America

Center Positive (+V)