

12 VDC Medical-grade Power Supply with Locking Barrel Plug

Model PS12VLB-INT-MED

B+B SMARTWORX

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- + 100 – 240 VAC, 47 – 63 Hz Input
- + 12 VDC, Constant Voltage Output
- + Medical Grade
- + International Input Blades, Included
- + Locking Barrel Plug
- + 4 kV Isolation

OVERVIEW

Model 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 (47–63 Hz) and 12 VDC output. 4 kV isolation protects sensitive equipment from surges. Included international adapter blades allow connection anywhere in the U.S.A., EU, UK or Canada.

ORDERING INFORMATION

| MODEL NUMBER | DESCRIPTION |
|-----------------|--|
| PS12VLB-INT-MED | Power Supply 12V DC, Medical Grade - USA, EU, UK, CN |

SPECIFICATIONS

| POWER - INPUT, OUTPUT | |
|---------------------------------|---|
| Input Voltage | 100 to 240V AC |
| Input Current (RMS, max.) | <0.6A |
| Input Frequency | 47 to 62 Hz |
| Input Configuration | Wall Plug-in |
| Output Voltage | 12V DC |
| Output Current | 0 to 2.08A |
| Output Regulation Line/Load | +5% |
| Output Ripple, Typical | <1% |
| Output Plug | Female Locking Barrel (5.5mm OD, 2.5mm Center Conductor, 9mm long, Center Positive 0 to 2.08A) |
| Power Range | 0 to 25 Watts |
| Typical Switching Frequency | 66.5 KHz |
| ISOLATION / SURGE PROTECTION | |
| Over-Voltage Protection | Voltage 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 | 5656V DC primary-secondary |
| Isolation | 4 kV |
| MECHANICAL | |
| AC Blades Included | US, EU, UK, CN |
| Dimensions | 84.0 x 56.0 x 37.9 mm |
| MEAN-TIME BEFORE FAILURE (MTBF) | |
| MTBF | >200000 hours |
| ENVIRONMENTAL | |
| Operating Temperature | 0 to 40 °C (32 to 104 °F) |
| Storage Temperature | -40 to 80 °C (-40 to 176 °F) |
| APPROVALS / CERTIFICATIONS | |
| Classification | Class II |
| RoHS / WEEE | Yes |
| EMI | EN55011 Class B FCC Part 15 Class B (tested with resistive load, both conductive and radiated.) |
| CE | EN60601-1-2 EN61000-3-2 EN61000-3-3 EN50082-1 EN61000-4-2 EN61000-4-3 EN61000-4-4 EN61000-4-5, Level 4 (line surge) EN61000-4-5 EN61000-4-6 EN61000-4-11, Level 4 |

All product specifications are subject to change without notice.

PS12VLB-INT-MED_1517ds

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