

Data Sheet

40A Switching Digital DC Power Supply Model 1692

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The B&K 1692 Switching Mode DC Power Supply provides high current output in a lightweight and compact package. It is suitable for a variety of uses, especially for powering DC operated mobile radio equipment on the bench. It provides a variable voltage output from 3 V to 15 V at 40 A continuous operation. In addition a fixed 13.8 VDC output is also selectable by a slider switch. Switching mode power supplies have the advantage of lightweight and high efficiency when compared to traditional linear mode power supplies. The efficiency can exceed 80% under the best conditions. Advanced circuitry protects against overload and provides immunity from RFI. A bright red and green LED display provides for an accurate and highly readable indicator of settings.

Features & Benefits

- Lightweight and compact
- High efficiency
- Current fold back circuitry with illuminated indicator prevents overloading the power supply
- Over temperature protection circuitry
- Over voltage protection prevents abnormal high output voltage
- High RFI stability
- Variable output 3 V to 15 V at 40 A

| Specifications | 1692 |
|----------------------------------|---|
| Output Voltage | 3 - 15 V or fixed 13.8 VDC (selectable) |
| Output Current | 40 A continuous |
| Ripple and Noise | <10 mVrms |
| Line Regulation (120V \pm 10%) | 80 mV |
| Load Regulation (0 - 100% load) | 230 mV |
| AC Input | 120 VAC, 60 Hz* |
| Metering | Dual color digital LED |
| Dimensions (H x W x D) | 8.67" x 4.33" x 11.82" (220 x 110 x 300 mm) |
| Weight | 7.7 lbs. (3.5 kg) |
| One-Year Warranty | |
| Included Accessories | User manual and power cord |

*For 220 V operation, order model 1692-220V.