



1692

Switch Mode and Fixed DC Power Supplies

Specifications

| | models | |
|--------------------|-------------------------------|--------------------------------|
| | 1680 | 1682A |
| Output | | |
| Output Voltage | 13.8 VDC \pm 0.5V | 13.8 VDC \pm 0.5V |
| Output Current | 6 ADC peak, 4 ADC continuous | 15 ADC peak, 12 ADC continuous |
| Line Regulation | (110-132VAC) \leq 130 mV | (110-132 VAC) \leq 0.8% |
| Ripple and Noise | \leq 10mV rms | |
| General | | |
| Power Requirements | 110-132 VAC, 60 Hz | 110-132 VAC, 60Hz |
| Power Consumption | 185W | 400W |
| Temperature Range | | |
| Operating | 0° to 40°C, \leq 75% R.H. | 0° to 40°C, \leq 75% R.H. |
| Storage | -15° to 70°C, \leq 85% R.H. | -15° to 70°C, < 85% R.H. |
| Dimensions(HxWxD) | 3-5/8 x 6-5/16 x 6-3/4" | 8.1" x 4.5" x 10.6" |
| | (92 x 160 x 170 mm) | (205 x 115 x 270 mm) |
| Weight | 6.5 lbs. (2.9kg) | 15 lbs. (6.75kg) |

Accessories

One Year Warranty

SUPPLIED: Instruction Manual
 OPTIONAL: TL-5 Hook-up cable (up to 5A), TL-30 (up to 30A)



1680

Models 1680 & 1682A Fixed Voltage

- 13.8 volts DC output (fixed)
- Model 1680: 6 A peak
- Model 1682A: 15 A peak
- Current foldback overload protection
- Short circuit protection
- Reverse polarity protection
- Thermostatically controlled cooling fan (Model 1682A)
- Convenient cigar lighter output (Model 1680)



1682A

Model 1692

Switch Mode Power Supply

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 3V to 15V at 40A continuous operation. In addition a fixed 13.8 VDC output is also selectable by a variable control knob. 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.

- 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 3V to 15V at 40A

Specifications

| | model |
|----------------------------------|--|
| | 1692 |
| Output Voltage | 3 - 15VDC (adjustable) or fixed 13.8VDC (selectable) |
| Output Current | 40A continuous |
| Ripple and Noise | \leq 10mVrms |
| Line Regulation (120V \pm 10%) | 80mV (\pm 10% variation) |
| Load Regulation | 230mV (0 - 100% load) |
| Power Requirements | 120 VAC, 60 Hz |
| Metering | Dual color digital LED |
| Dimensions (HxWxD) | 8.67 x 4.33 x 11.82" |
| | (220 x 110 x 300 mm) |
| Weight | 7.7 lbs. (3.5 kg) |

Accessories

One Year Warranty

SUPPLIED: Instruction Manual
 OPTIONAL: Model TL-5A, Model TL-30 Power Supply Hook-Up Cables