

Model 728 DC Power Supply



Overview

Model 728 features include an LED indicator, talk-battery-quality DC output, wide-input voltage operating range, output short-circuit protection, and simple installation. An LED is provided as an installation, operation, and maintenance aid. This LED is referred to as the DC output LED. The DC output is expressly designed for a wide range of general purpose and telecommunications applications, including acting as a source of talk battery. The output noise, especially over the voice band, was carefully minimized. The wide input-voltage range, 110 to 240 V, allows operation even when the power source deviates significantly from nominal 120 V. The Model 728's circuitry is designed for robust performance. The output is short-circuit and over-current protected, automatically returning to normal operation when the fault condition is removed. The unit is completely self-contained in a compact wall-mounted cabinet. DC-output interconnections are made using a 3-conductor removable screw terminal strip. Input power is connected using a standard 3-conductor cord and plug.

Model 728 Specifications

Input Voltage: 110-240 V, 47-63 Hz, single phase

Input Current: 2.6 A rms steady state, maximum

Power Cord: 3-conductor with plug, length 6 feet (2 meters), nominal, not detachable

Output Voltage: 48.5 \pm 1 Vdc (with 100 mA minimum load)

Output Current: 3 A maximum, continuous

Output Current for Automatic Shutdown: 3.3 A, nominal

Minimum Load Current for Optimal Regulation: 100 mA

Load Regulation: less than 1%, load current 100 mA to 3 A, input voltage 110 to 240 V

Output Ripple Voltage: less than 10 mV rms, maximum

Output Compliance: complies with FCC Part 68 for talk battery quality

Input-to-Output Efficiency: greater than 85% at full load

Output Connections: 3-position detachable screw terminal strip

Transient Protection: input and output protected against transients

LED Indicator: 1, indicates DC output

Operating Environment: -10 to 50 degrees C, humidity to 95% (no condensation)

Radiated Noise Compliance: complies with FCC Part 15, subpart J, class A for radiated and conducted emissions

Safety Compliance: Underwriters Laboratories, Inc. CUL-60950 ITE LISTED

Dimensions:

4.7 inches high (11.9 cm)

7.4 inches wide (18.7 cm)

2.3 inches deep (5.8 cm)

Mounting: wall mounted only using two #8 pan head screws

Weight: 2.8 pounds (1.3 kg)

Specifications subject to change without notice.