

Data sheet

Triple Output DC Power Supply
0-60 V/0 – 2 A (2), 4-6.5 V/ 4 A (1)

Model 1762



Model 1762 Triple Output DC Power Supply delivers 0-60 V/0-2 A on 2 outputs and 4-6.5 V/4 A on 1 output. The 4 digit LED display offers 10mV and 1mA resolution, providing the capability to set voltage and current values more accurately and precisely compared to 3 digit displays found in most comparable power supplies. The power supply is fully overload protected and comes with a two year warranty.

Features:

- Continuously monitor voltage and current output on two 4-digit LED displays
- Connect two supplies in parallel to double the current output
- Connect two supplies in series to double the voltage output
- Constant voltage and constant current operation
- Reliable & durable
- Operate continuously at full load without overheating
- Fully overload protected
- Course and fine voltage and current controls
- Excellent regulation
- Very low ripple and noise



Specifications

model

1762

Main Output

Output Voltage	0-60V (A & B) 4-6.5 V (C)
Output Current	0-2A (A & B) 4A (C)

Constant Voltage Operation

Voltage Regulation	
Line (120VAC \pm 10%)	$\leq 0.01\% + 3 \text{ mV (A\&B)}$ $\leq 10 \text{ mV (C)}$
Load	$\leq 0.01\% + 3 \text{ mV (A\&B)}$ $\leq 10 \text{ mV (C)}$
Recovery Time	100 μ s
Ripple & Noise (5Hz to 1MHz)	$\leq 1 \text{ mVrms}$
Temperature Coefficient	$\leq 300 \text{ ppm}^\circ\text{C}$

Constant Current Operation

Adjustable Current Limit	5% to 100% (A&B)
Current Regulation	
Line (120VAC \pm 10%)	$\leq 0.2\% + 3 \text{ mA}$
Load	$\leq 0.2\% + 3 \text{ mA}$
Current Ripple	$\leq 3 \text{ mA rms}$

Metering

Display	2 digital 4 digit LED
Voltmeter Range	0-99.99 V (A & B) 0-99.99 V (C)
Voltmeter Accuracy	$\pm (0.5\% \text{ rdg} + 9 \text{ digits})$
Ammeter Range	0-9.999 A

General

Ammeter Accuracy	$\pm (0.5\% \text{ rdg} + 2 \text{ digits})$
Overload Protection	Current limiting, Reverse polarity, overvoltage, Short circuit
Power Requirements	108-132 VAC 60 Hz, 120/220/230/240/ VAC, $\pm 10\%$, 50/60 Hz version available
Power Consumption	350 W
Operating Temperature	0° to 40°C $\leq 85\% \text{ R.H.}$
Storage Temperature	-15° to 70°C $\leq 85\% \text{ R.H.}$
Dimensions (H x W x D)	5.7 x 10.5 x 15" (145 x 267 x 381 mm)
Weight	21 lbs (9.5 kg)

Two Year Warranty

Accessories

Supplied: User Manual, Spare Fuse, Line Cord

Mouser Electronics

Authorized Distributor

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