

Data Sheet

The model 1672 is a quad display triple output regulated DC power supply that provides one fixed output (5V/3A) and two variable outputs (0-32V/ 0-3A) ratings. The variable outputs can work independently, or in series tracking or parallel mode.

- Independent control of Voltage and Current controls for variable output.
- CV/CC operation.
- Separate 3 digit displays for voltage (Green) and current (Red) for both variable outputs.
- LED indication for CV (Green)/ CC (Red) mode.
- Overload indication LED for Fixed output.
- Series tracking and parallel mode operation for Triple output unit.



Model 1672, a Quad 3-Digit, Triple Output Regulated DC Power Supply has been added to B&K expanding new line of power supplies. Utilizing a standard 115VAC outlet as the power source, the new bench top unit provides the accuracy of quad 3-digit LED resolution, two variable voltage outputs of 0 to 32VDC/0 to 3A and one fixed 5VDC/3A output.

Model 1672 offers exceptional performance and is an ideal supply for Educational, Service and Maintenance, Hobbyist and Manufacturing applications.

Model 1672 provides the user with many unique and useful features not normally found in a triple output power at this low price.

Model 1672 features four large, easy-to-read front-panel-mounted 3-digit LED displays – one set reading volts and amps of the "B" supply, the other set reads volts and amps of the "A" supply. The unit has a unique variable tracking, B track A at 5% to 100% capability. The voltage meter resolution is 0.00 to 99.9, the amperage meter resolution is 0.00 to 9.99, and all meters offer an accuracy of +(0.1% rdg + 3 digit).

Other front panel indicators and controls include an OFF/ON power switch, a Power LED, Overload Indicator Light, Voltage Adjustment Knob, and adjustable current limit controls.

Specifications		model
	1672	
Output Voltage	0-32VDC	
	0-32VDC	
	Fixed 5VDC	
Output Current	0-3A	
	0-3A	
	Fixed 0-3A	
Constant Voltage Operation		
Voltage Regulation		
Line (120VAC ±10%)	<0.01% + 3mV	
Load	<0.2% + 10mV	
Ripple & Noise	≤ 1mV rms	



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Specifications subject to change without notice



Specifications	model 1672
Output Voltage	Master Output 0 to 32 VDC
	Slave Output 0 to 32 VDC
	Fixed 5 VDC (+-0.85V)
Output Current	Master Output 0 to 3 A
	Slave Output 0 to 3 A
	Fixed Output 0 to 3 A
Constant Voltage Operation	
Voltage Regulation	
Line (120 VAC +- 10%)	$\leq 0.01\% + 5 \text{ mV}$
	5V Fixed Output is Not Specified
Load	$\leq 0.2\% + 10 \text{ mV}$
	5V Fixed Output is Not Specified
Ripple & Noise	$\leq 1 \text{ mVrms}$
Temperature Coefficient	$\leq 300 \text{ ppm } ^\circ \text{C}$
Constant Current Operation	
Adjustable Current Range	5% to 100% (Main)
Current Regulation	
Line (120 VAC +- 10%)	$\leq 0.01\% + 5 \text{ mA}$
Load	$\leq 0.2\% + 8 \text{ mA}$
Current Ripple	$\leq 1 \text{ mA rms}$
Metering	
Display	4 digital LED
Voltmeter Range	00.0 to 99.9
Voltmeter Accuracy	+ - (0.1% reading + 3 digit)
Ammeter Range	00.0 to 99.9
Ammeter Accuracy	+ - (0.1% reading + 3 digit)

Overload Protection	Current limiting, Reverse polarity, overvoltage, Short circuit
Power Requirements	115 / 230 VAC (\pm 10%), 60 Hz
Operating Temperature	10 ^o to 40 ^o C <=90% R.H.
Dimensions (HxWxD)	9"x7"x12.2" (230x2170x310 mm)
Weight	12.6 lbs. (5.7 kg)
Accessories	
SUPPLIED: Instruction Manual	