Data Sheet

Triple Output DC Power Supplies
Models 1672 & 1673



Quad LED Display



Simultaneously display voltage and current for both variable outputs

B&K Precision's 1672 and 1673 are quad display triple output DC power supplies that provide two variable outputs and one fixed output. The variable outputs can work independently, in series tracking, or parallel mode. Conveniently adjust voltage and current with independent front panel knobs and bright quad LED display.

Accessible through a simple push/pull switch, the 1672 and 1673's unique series and parallel tracking features let you easily double the output voltage or current. For achieving even higher voltages or current, multiple units can be connected in series or parallel.

The 1672 and 1673 are both designed to operate in a constant voltage or a constant current mode with automatic crossover, allowing continuous transition from constant current to constant voltage modes in response to load condition changes.

These power supplies are ideally suited for applications in electronic test, production, and service, where multiple independent DC power supplies are required.

Features and Benefits

- Three independent outputs
- Individual control knobs for voltage and current settings of variable outputs
- CV (constant voltage)/CC (constant current) mode operation
- Separate 3-digit voltage and current displays for variable outputs
- LED indication for CV/CC mode
- Overload indication LED for fixed output
- Series tracking and parallel tracking mode operation to double output voltage or current respectively

Ratings / Model	1672	1673
Voltage (variable outputs)	0 - 32 V	
Current (variable outputs)	0 - 3 A	0 - 6 A
Fixed output	5 V/ 3 A	

Technical data subject to change
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User-Friendly Design

Intuitive Operation

Easy-to-use voltage and current adjustment knobs with simple push/pull switch mechanism for series and parallel tracking modes.

CC and CV mode LEDs clearly indicate constant current or constant voltage mode.

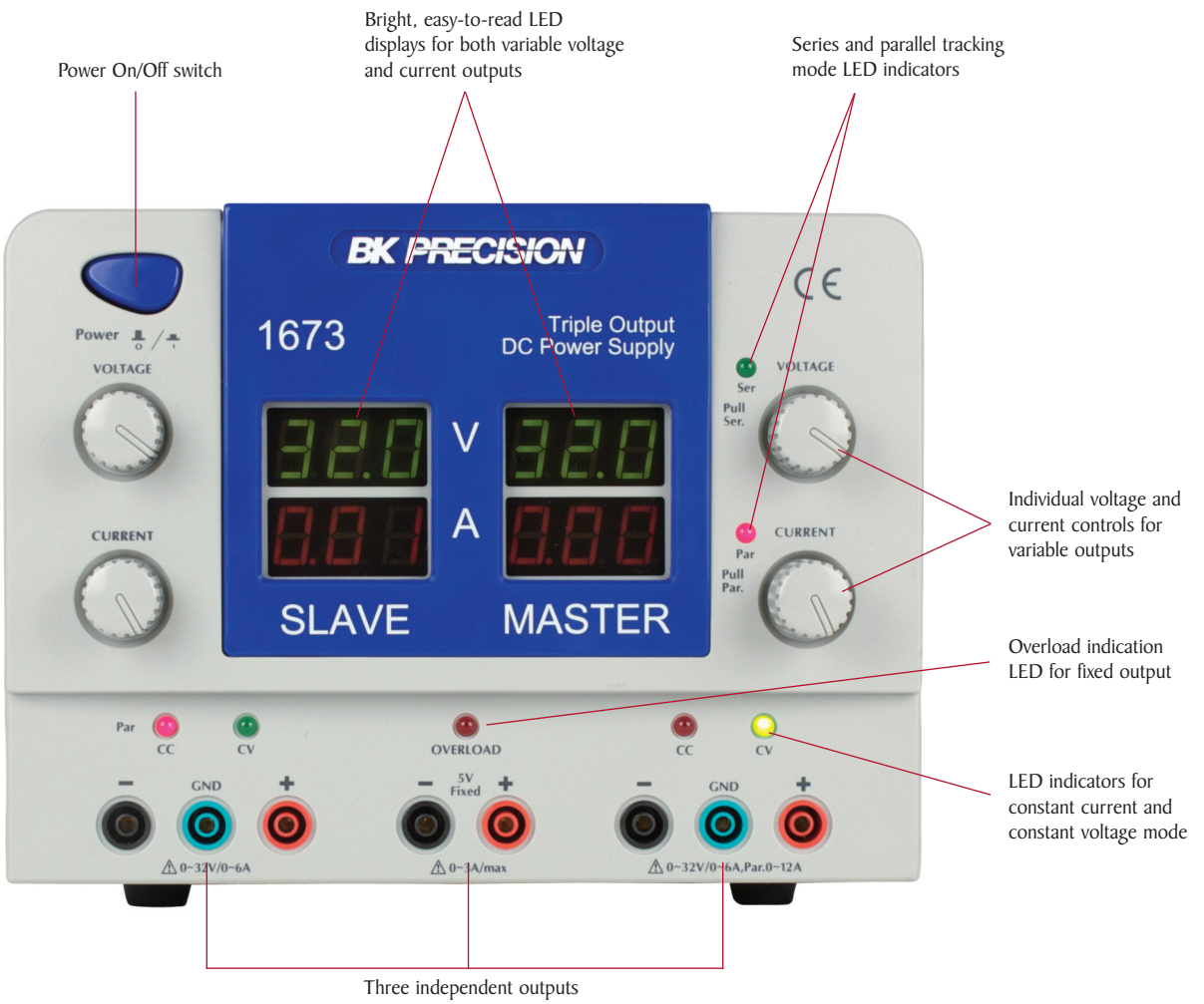
Quad Display

The 1672 and 1673's bright, quad 3-digit LED displays provide excellent readability at a distance and allows you to view voltage and current output values for variable outputs independently.

Safety in Mind

Both models use sheathed safety banana input jacks that accept sheathed or shrouded banana plugs and meet the latest international safety standards.

Front panel



Specifications

Model	1672	1673
Output Parameters		
Number of Outputs	Three (two variable and one fixed)	
Range	0 to 32 VDC / 0 to 3 A (variable) and 5 V / 3 A (fixed)	0 to 32 VDC / 0 to 6 A (variable) and 5 V / 3 A (fixed)
Constant Voltage Mode(variable outputs)		
Line Regulation	<0.01% + 5 mV	
Load Regulation	<0.2% + 10 mV	<0.55% + 10 mV
Ripple & Noise	<1 mVrms	<1 mVrms (independent/master) <4 mVrms (slave)
Constant Current Mode (variable outputs)		
Line Regulation	<0.2% + 5 mA	
Load Regulation	<0.2% + 8 mA	0.4% + 8 mA
Ripple & Noise	<3 mArms	
Tracking Operation		
Slave Tracking Error	< 0.5%+3 digits of the master	
5V Fixed Output		
Voltage Accuracy	5 V ± 0.25 V	
Ripple & Noise	<1 mVrms	
Display		
Voltage	3 digits 0.56" Green LED	
Current	3 digits 0.56" Red LED	
Accuracy	<0.1% + 3 digits	
General		
AC Input	115/230 V ± 10%, 50/60 Hz ± 10%	
Operating Temperature	50 °F to 104 °F (10 °C to 40 °C)	
Humidity	90% R.H.	
Temperature Coefficient	<300PPM / C° (voltage and current)	
Dimensions (W x H x D)	9" x 6.7" x 12.2" (230 x 170 x 310 mm)	
Weight	12.6 lbs (5.7 kg)	19.8 lbs (9.0 kg)
		Two-Year Warranty
Included Accessories	Power cord, instruction manual, two pairs of test leads	

Note: All specifications apply to the unit after a temperature stabilization time of 15 minutes over the ambient temperature range of 25° C ± 5° C