

Transcat DC Power Supplies

- Single- or Triple- Output Version Available
- Constant Voltage or Constant Current Modes
- Heavy-Duty Transformer Isolated Design
- Dual Digital Displays
- Short Circuit Protected

Choose one of our new high-performance DC power supplies for any industrial or lab application. They'll meet virtually all your DC voltage requirements; use them in product development, testing, quality control, service work, and more.

Four models are available. The 23232E, 23236E, and 23240E are single-output supplies with ranges of 32V/3A, 32V/5A, and 60V/2.5A respectively. Output is continuously variable throughout the range, and coarse and fine controls let you adjust the levels with tight precision. Separate digital displays continuously indicate actual output.

The 23244E is a triple supply with two continuously variable outputs of 32V/2A and a fixed 5V/5A output. All three are independent and isolated from one another. Each variable output has its own digital display, switchable between volts and amps.

All four units can be operated in constant voltage or constant current mode, and fast transition from one mode to the other achieves automatic overload protection. Other safety features include heavy-duty isolated transformer design, short-circuit protection, and floating (not connected to ground) outputs.

These power supplies offer a number of other benefits. Noise and ripple are extremely low, and line and load regulation are tight. Operation is simple—all controls and the ground and supply terminals are located on the front panel. For added convenience, they can be powered by 120 or 240 VAC by simply flipping a switch on the chassis bottom.

Each Unit Includes: Power cord, heat-sink fuse, and operating instructions.



▲ 23232E



▲ 23244E

SPECIFICATIONS

	23232E	23236E	23240E	23244E
Output Voltage:	0 to 32 VDC	0 to 32 VDC	0 to 60 VDC	0 to 32 VDC, dual; 5 VDC, fixed
Load Current:	0 to 3A	0 to 5A	0 to 2.5A	0 to 2A, dual; 4.5 to 5.5A
Constant Voltage Mode				
Line Regulation:	$\pm 0.01\% + 2 \text{ mV}$ for 10% line change	$\pm 0.01\% + 2 \text{ mV}$ for 10% line change	$\pm 0.01\% + 2 \text{ mV}$ for 10% line change	$\pm 0.01\% + 2 \text{ mV}$ for 10% line change
Load Regulation:	$\pm 0.01\% + 2 \text{ mV}$ for change from 0 to full load	$\pm 0.01\% + 2 \text{ mV}$ for change from 0 to full load	$\pm 0.01\% + 2 \text{ mV}$ for change from 0 to full load	$\pm 0.01\% + 2 \text{ mV}$ for change from 0 to full load
Ripple and Noise:	1 mV RMS maximum	1 mV RMS maximum	1 mV RMS maximum	1 mV RMS maximum
Constant Current Mode				
Line Regulation:	$\pm 0.1\% + 250 \mu\text{A}$ for 10% line change	$\pm 0.1\% + 250 \mu\text{A}$ for 10% line change	$\pm 0.1\% + 250 \mu\text{A}$ for 10% line change	$\pm 0.1\% + 250 \mu\text{A}$ for 10% line change
Load Regulation:	$\pm 0.1\% + 250 \mu\text{A}$ for change in output voltage from 0 to maximum	$\pm 0.1\% + 250 \mu\text{A}$ for change in output voltage from 0 to maximum	$\pm 0.1\% + 250 \mu\text{A}$ for change in output voltage from 0 to maximum	$\pm 0.1\% + 250 \mu\text{A}$ for change in output voltage from 0 to maximum
Ripple and Noise:	0.8 mA RMS maximum	0.8 mA RMS maximum	0.8 mA RMS maximum	0.8 mA RMS maximum
Display:	Dual 3-digit LED displays, accurate to $\pm 0.5\%$ of rdg + 2 counts	Dual 3-digit LED displays, accurate to $\pm 0.5\%$ of rdg + 2 counts	Dual 3-digit LED displays, accurate to $\pm 0.5\%$ of rdg + 2 counts	Dual 3-digit LED displays, accurate to $\pm 0.5\%$ of rdg + 2 counts
Power Supply:	110–120 VAC/60 Hz, or 220–240 VAC/50 Hz, switchable	110–120 VAC/60 Hz, or 220–240 VAC/50 Hz, switchable	110–120 VAC/60 Hz, or 220–240 VAC/50 Hz, switchable	110–120 VAC/60 Hz, or 220–240 VAC/50 Hz, switchable
Size (HWD)/Weight:	5.5 x 9 x 11.5"/15 lbs	5.5 x 9 x 11.5"/15 lbs	5.5 x 9 x 11.5"/15 lbs	5.5 x 9 x 11.5"/20.375 lbs

ORDERING INFORMATION

TK23232E	Single Output DC Power Supply, 32V/3A
TK23236E	Single-Output DC Power Supply, 32V/5A
TK23240E	Single-Output DC Power Supply, 60V/2.5A
TK23244E	Triple-Output DC Power Supply
CELT54	Transcat Certified Calibration
DELT54	Transcat Certified Plus Calibration