

# Triple Output DC Power Supplies

Three independent outputs provide additional flexibility



26868-34



20016-92

## Models 1760A, 1761 Triple Output DC Power Supply

- Two 0 to 30 VDC, 2 A (1760A) sections capable of independent, series or parallel operation
- Two 0 to 35 VDC, 3 A (1761) sections capable of independent, series or parallel operation
- One 4 to 6.5 VDC, 5 A section (1760A)
- One 2 to 6.5 VDC, 5 A section (1761)
- Switchable series/parallel operation 30 V sections
- Adjustable current limit controls 30 V sections
- Two 4-digit LED displays. One displays volts or amps of "B" supply and the other displays volts or amps of "A" supply or displays third output 4 to 6.5 V supply
- Unique variable tracking, B track A at 5 to 100%

## Models 1652, 1651A Compact Triple Output DC Power Supply

- Two 0 to 24 VDC outputs (0.5 A)
- One fixed 5 V output (4 A)
- Independent or tracking operation
- Adjustable current limiting
- Designed to operate continuously at rated output
- Short circuit protection, overvoltage protection, reverse polarity protection
- Connect outputs in series for higher voltage output or in parallel for higher current output (switch selectable)

### SPECIFICATIONS

Model No.	1760A	1761	1652	1651A
Output voltage	0 to 30 V (A/B) 4 to 6.5 V (C)	0 to 35 V (A/B) 2 to 6.5 V	0 to 24 V (A/B) (C) Fixed 5V	0 to 24 V (A/B) (C) Fixed 5 V
Output current	0 to 2 A (A/B) 5 A (C)	0 to 3 A (A/B) 5 A (C)	0 to 500 mA (A/B) fixed supply <4 A	0 to 500 mA (A/B) fixed supply <4 A
<b>Constant voltage operation voltage regulation</b>				
Line (120 VAC ±10%)	≤0.01% +3 mV (A/B), ≤10 mV (C)		≤0.01% +3 mV (A/B) ≤5 mV for line fixed supply	
Load	≤0.01% +3 mV (A/B), ≤10 mV (C)		≤0.01% +3 mV (A/B) ≤50 mV (fixed)	
Ripple & noise	≤1 mV <sub>rms</sub>	≤1 mV <sub>rms</sub>	≤1 mV <sub>rms</sub>	≤1 mV <sub>rms</sub>
Constant current operation adj. current limit	5 to 100% (A/B)		5 to 100% (A/B)	
<b>Current regulation</b>				
Line (120 VAC ±10%)	≤0.2% + 3 mA		≤0.2% + 6 mA	
Load	≤0.2% + 3 mA		≤0.2% + 3 mA	
Current ripple	≤3 mA <sub>rms</sub>		≤3 mA <sub>rms</sub>	
Display	Two 4-digit LEDs		Two 3-digit LEDs	Two analog displays
Voltmeter range	0 to 99.99 V (A & B)	0 to 99.9 V (A/B)	0 to 25 V	0 to 99.99 V (C)
Voltmeter accuracy	± (0.5% rdg + 9 digits)		± (0.5% rdg + 2 digits)	2.5% of full scale
Ammeter range	0 to 9.999 A		0 to 9.99 A	0 to 600 mA
Ammeter accuracy	± (0.5% rdg + 2 digits)		± (0.5% rdg + 2 digits)	2.5% of full scale
Overload protection	Current limiting, reverse polarity, overvoltage, short circuit		Current limiting, reverse polarity, overvoltage, short circuit	
Dimensions (H x W x D)	5 <sup>11</sup> / <sub>16</sub> " x 10 <sup>1</sup> / <sub>2</sub> " x 15" (145 x 267 x 381 mm)		5 <sup>1</sup> / <sub>2</sub> " x 11 <sup>3</sup> / <sub>4</sub> " x 11" (140 x 298 x 264 mm)	
Power	108 to 132 VAC, 60 Hz		108 to 132 VAC, 60 Hz	
Power consumption	350 W	350 W	165 W	165 W

What's included: Instruction manual, line cord and spare fuse.

Catalog No.	Model No.	Description
TS-26878-34	1760A	Triple output power supply
TS-26878-36	1761	Triple output power supply
TS-20026-92	1652	Compact triple-output power supply with three pairs of test leads
TS-26878-32	1651A	Compact triple-output power supply with three pairs of test leads
<b>Accessories</b>		
TS-20013-07	TL5A	5 amp hookup cable set
TS-26878-90	TLPS	Accessory kit
TS-17100-16	—	NIST-traceable calibration with data