

# LVR SERIES POWER SUPPLIES

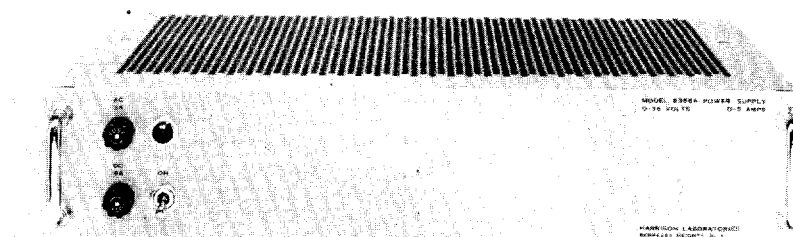
High-performance, low voltage, rack mounting supplies

The Harrison LVR Series power supplies are versatile, compact, high-performance supplies designed for both lab and system use. Design and construction of these two groups of supplies are similar except for constant current features, front-panel controls and meters. They offer 0.01% +200  $\mu$ V regulation, and ripple less than 500 microvolts.

Advantages include Auto-Series, Auto-Parallel and Auto-Tracking operation; remote programming (voltage and current can be programmed by resistance or control voltages); remote error sensing; continuously variable voltage and current adjustments, no range switching; superior output impedance over a wide frequency band; differential amplifier

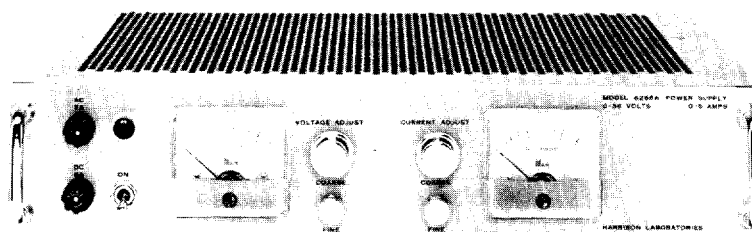
front end; use of silicon transistors where leakage and stability are critical; transient recovery time of less than 50 microseconds (in constant voltage operation) to within 10 millivolts of the nominal output voltage; operating temperature range of 0 to 50°C (storage -20 to +71°C).

In addition, the following features are included on the 6263A, 6264A, 6265A, 6266A, 6267A and 6271A: Constant Voltage/Constant Current with automatic crossover; coarse and fine controls on the front panel; silicon differential amplifier packages in the constant current and constant voltage circuits; sharp cutover from constant voltage to constant current operation.

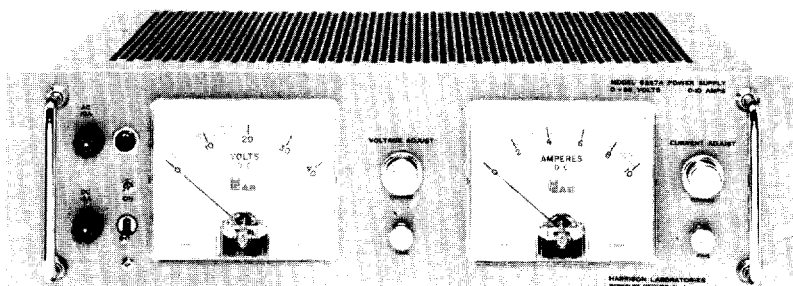


6263A  
6265A  
6266A  
6271A

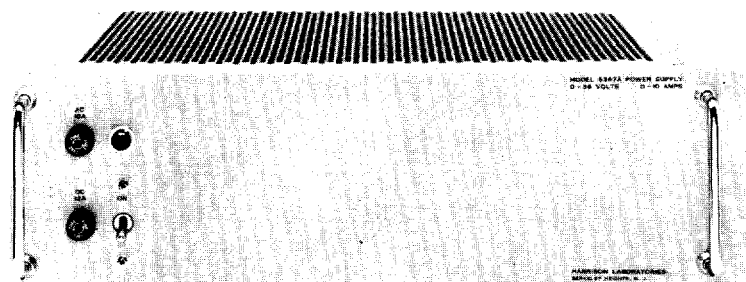
6263A  
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6266A  
6271A



6264A  
6267A



6264A  
6267A



### Specifications, LVR Series

Harrison model		6263A	6363A	6264A	6364A	6265A	6365A
DC output		0 to 18 volts at 0 to 10 amps		0 to 18 volts at 0 to 20 amps		0 to 36 volts at 0 to 3 amps	
AC input		105 to 125/210 to 250 v ac, 48 to 63 cps					
Load regulation	cv*	0.01% + 200 $\mu$ v					
	cc*	0.02% + 500 $\mu$ a	————	0.02% + 500 $\mu$ a	————	0.02% + 500 $\mu$ a	————
Line regulation	cv	0.01% + 200 $\mu$ v					
	cc	0.02% + 500 $\mu$ a	————	0.02% + 500 $\mu$ a	————	0.02% + 500 $\mu$ a	————
Ripple and noise	cv	500 microvolts rms					
	cc	3 milliamps rms	————	5 milliamps rms	————	3 milliamps rms	————
Temperature coefficient (output change per degree C change in ambient following 30 min warm-up)	cv	0.01% + 200 $\mu$ v	0.02% + 500 $\mu$ v	0.01% + 200 $\mu$ v	0.02% + 500 $\mu$ v	0.01% + 200 $\mu$ v	0.02% + 500 $\mu$ v
	cc	0.01% + 2 ma	————	0.01% + 2 ma	————	0.01% + 1 ma	————
Stability (under constant ambient conditions total drift for 8 hr following 30 min warm-up)	cv	0.03% + 2 mv	0.05% + 5 mv	0.03% + 2 mv	0.05% + 5 mv	0.03% + 2 mv	0.05% + 5 mv
	cc	0.03% + 5 ma	————	0.03% + 5 ma	————	0.03% + 2 ma	————
Remote programming (all programming terminals are located on rear barrier strips)	cv	200 ohms/volt					
	cc	100 ohms/amp	————	25 ohms/amp	————	300 ohms/amp	————
Meters		0 to 20 v and 0 to 12 amp	no meters	0 to 20 v and 0 to 20 amp	no meters	0 to 40 v and 0 to 3 amp	no meters
Controls		front panel coarse and fine	rear panel voltage	front panel coarse and fine	rear panel voltage	front panel coarse and fine	rear panel voltage
Dimensions		19" w, 3½" h, 17½" d (483 x 88 x 444 mm)		19" w, 5¼" h, 17½" d (483 x 133 x 444 mm)		19" w, 3½" h, 17½" d (483 x 88 x 444 mm)	
Weight (net/shipping)		36/47 lbs (16,2/21,2 kg)	34/45 lbs (15,3/20,2 kg)	54/66 lbs (24,3/29,7 kg)	52/64 lbs (23,4/28,8 kg)	36/47 lbs (16,2/21,2 kg)	34/45 lbs (15,3/20,2 kg)
Price		Harrison 6263A, \$435	Harrison 6363A, \$359	Harrison 6264A, \$525	Harrison 6364A, \$450	Harrison 6265A, \$350	Harrison 6365A, \$279

### Specifications, LVR Series

Harrison model		6266A	6366A	6267A	6367A	6271A	6371A
DC output		0 to 36 volts at 0 to 5 amps		0 to 36 volts at 0 to 10 amps		0 to 60 volts at 0 to 3 amps	
AC input		105 to 125/210 to 250 v ac, 48 to 63 cps					
Load regulation	cv*	0.01% + 200 $\mu$ v					
	cc*	0.02% + 500 $\mu$ a	————	0.02% + 500 $\mu$ a	————	0.02% + 500 $\mu$ a	————
Line regulation	cv	0.01% + 200 $\mu$ v					
	cc	0.02% + 500 $\mu$ a	————	0.02% + 500 $\mu$ a	————	0.02% + 500 $\mu$ a	————
Ripple and noise	cv	500 microvolts rms					
	cc	3 milliamps rms	————	3 milliamps rms	————	3 milliamps rms	————
Temperature coefficient (output change per degree C change in ambient following 30 min warm-up)	cv	0.01% + 200 $\mu$ v	0.02% + 500 $\mu$ v	0.01% + 200 $\mu$ v	0.02% + 500 $\mu$ v	0.01% + 200 $\mu$ v	0.02% + 500 $\mu$ v
	cc	0.01% + 2 ma	————	0.01% + 2 ma	————	0.01% + 1 ma	————
Stability (under constant ambient conditions, total drift for 8 hr following 30 min warm-up)	cv	0.03% + 2 mv	0.05% + 5 mv	0.03% + 2 mv	0.05% + 5 mv	0.03% + 2 mv	0.05% + 5 mv
	cc	0.03% + 5 ma	————	0.03% + 5 ma	————	0.03% + 2 ma	————
Remote programming (all programming terminals are located on rear barrier strips)	cv	200 ohms/volt			300 ohms/volt		
	cc	200 ohms/amp	————	100 ohms/amp	————	300 ohms/amp	————
Meters		0 to 40 v and 0 to 6 amps	no meters	0 to 40 v and 0 to 10 amps	no meters	0 to 60 v and 0 to 3 amps	no meters
Controls		front panel coarse and fine	rear panel voltage	front panel coarse and fine	rear panel voltage	front panel coarse and fine	rear panel voltage
Dimensions		19" w, 3½" h, 17½" d (483 x 88 x 444 mm)		19" w, 5¼" h, 17½" d (483 x 133 x 444 mm)		19" w, 3½" h, 17½" d (483 x 88 x 444 mm)	
Weight (net/shipping)		36/47 lbs (16,2/21,2 kg)	34/45 lbs (15,3/20,2 kg)	54/66 lbs (24,3/29,7 kg)	52/64 lbs (23,4/28,8 kg)	36/47 lbs (16,2/21,2 kg)	34/45 lbs (15,3/20,2 kg)
Price		Harrison 6266A, \$435	Harrison 6366A, \$359	Harrison 6267A, \$525	Harrison 6367A, \$450	Harrison 6271A, \$435	Harrison 6371A, \$359

\*cv = constant voltage; cc = constant current.