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HP E3600-Series dc Power Supplies									
	HP E3610A	HP E3611A	HP E3612A	HP E3614A	HP E3615A	HP E3616A	HP E3617A	HP E3620A	HP E3630A
Number of outputs	1	1	1	1	1	1	1	2	3
Output (max. voltage, current)	8 V, 3 A or 15 V, 2 A	20 V, 1.5 A or 35 V, 0.85 A	60 V, 0.5 A or 120 V, 0.25 A	8 V, 6 A	20 V, 3 A	35 V, 1.7 A	60 V, 1 A	25 V, 1 A 25 V, 1 A	+6 V, 2.5 A +20 V, 0.5 A -20 V, 0.5 A
Features	Dual range, 10-turn pots, constant-voltage (CV), constant-current (CC) modes			Adjustable overvoltage protection, voltage programming, remote sense, rear outputs, 10-turn pots, CV, CC modes, resistance programming; multiple supplies can be connected for tracking or higher power				Dual outputs isolated, 10-turn pots CV, CL	Tracking, common outputs, CV, CL
Load and line regulation	0.01% + 2 mV								
Ripple and noise voltage	<200 μ Vrms, <2 mVp-p			<200 μ Vrms, <1 mVp-p				<350 μ Vrms, <1.5 mVp-p	
Common mode current	Not specified							<1 μ Arms	
Transient response time	<50 μ s following change in output current from full load to half load for output to recover to within:								
	10 mV			15 mV					
Meter accuracy	$\pm 0.5\% + 2$ counts at 25 °C ± 5 °C								
Meter resolution	volts	10 mV	100 mV	10 mV	10 mV (0-20 V), 100 mV (>20 V)				10 mV
	current	10 mA	1 mA	10 mA	1 mA				10 mA
Isolation	240 Vdc								
Size	91 mm H x 213 mm W x 319 mm D (3.6 x 8.4 x 12.6 in)			91 mm H x 213 mm W x 400 mm D (3.6 x 8.4 x 15.8 in)				Same as HP E3610A	
Warranty	3 years								
Options	Opt. OE9 100 Vac $\pm 10\%$, Opt. OE3 230 Vac $\pm 10\%$, Opt. W50 additional 2-year warranty.								

Within budget, without compromise.

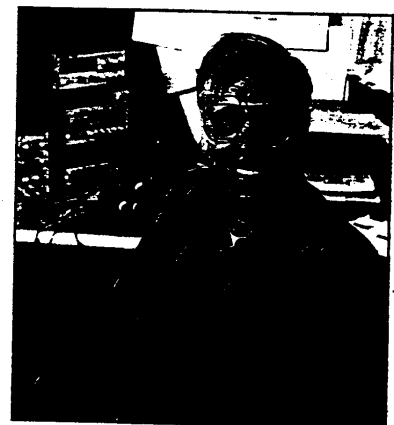
Lab Notes

To get the best accuracy and load regulation at the load, consideration must be given to the connection between the power supply and the load. For maximum accuracy and load regulation,

select a power supply with remote sensing. For most applications, selecting the wire size to match the current will be adequate. You can calculate the voltage drop of the wire using the table provided.

Voltage drop = Total wire length (positive and negative leads) \times mohm/ft

AWG	12	14	16	18	20	22	24	26
Suggested max. current (amps)	25	20	13	10	7	5	3.5	2.5
mohm/ft	1.59	1.53	4.02	6.39	10.2	16.1	25.7	40.8
mohm/m	5.2	8.3	13.2	21.0	33.5	52.8	84.3	133.9



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