

Agilent E3631A Triple Output DC Power Supply Specifications

Specifications	Output 1	Output 2	Output 3			
DC OUTPUTS						
Voltage	0 to +25 V	0 to -25 V	0 to 6 V			
Current	0 to 1 A	0 to 1 A	0 to 5 A			
LOAD AND LINE REGULATION						
Voltage	<0.01% + 2 mV					
Current	<0.01% + 250 µA					
RIPPLE AND NOISE						
Normal mode voltage	<350 µVrms/2 mVp-p					
Normal mode current	<500 µArms	<500 µArms	<2 mArms			
Common mode current	<1.5 µArms					
PROGRAMMING ACCURACY						
Voltage	0.05% + 20 mV	0.1% + 5 mV				
Current	0.15% + 4 mA	0.2% + 10 mA				
READBACK/METER ACCURACY						
Voltage	0.05% + 10 mV	0.1% + 5 mV				
Current	0.15% + 4 mA	0.2% + 10 mA				
RESOLUTION						
Program/Readback	1.5 mV/0.1 mA	0.5 mV/0.5 mA				
Meter	10 mV/1 mA	1 mV/1 mA				
TRANSIENT RESPONSE	50 µsec for output to recover to within 15 mV following a change in output current from full load to half load or vice versa					
SUPPLEMENTAL CHARACTERISTICS						
Command processing time	< 100 msec					
Voltage programming speed to within 1% of final value	Up	Full Load 50 msec	No Load 20 msec	Up	Full Load 11 msec	No Load 10 msec
	Down	45 msec	400 msec	Down	13 msec	200 msec
ISOLATION	±240 Vdc					
SIZE	133 mm H x 213 mm W x 348 mm D (5.2 in x 8.4 in x 13.7 in)					
WEIGHT	8.2 kg (18 lbs.)					
WARRANTY	3 years					