



DC Power Supply



HDP4000 Series

245W Triple and Quadruple Output, Low-noise

DC Power
Supply



Product Features

- Excellent programming/readback accuracy;
- Electrically isolated channels;
- Individual on/off on all channels;
- 4.3-inch LCD color display;
- Low output ripple and noise;
- Fast transient response time: $\leq 50\mu s$;
- Over voltage, over current and over temp protection;
- Color-coded channels;
- List mode;
- USB, LAN, Optional RS232/RS485 and GPIB interface;
- SCPI remote command control.

Model		HDP4324	HDP4324B	HDP4324H	HDP4424	HDP4424B	HDP4424H	
DC Output Rating (0 to 40° C)		CH1	CH2	CH3	CH1	CH2	CH3	CH4
		0-32V	0-32V	0-8V	0-32V	0-32V	0-8V	0-16V
		0-3.2A	0-3.2A	0-5A	0-3.2A	0-3.2A	0-2A	0-1.5A
Series Mode Voltage			64V			64V		
Parallel Mode Current			6.4A			6.4A		
Power Output		245W						
Load Regulation ± (% of output + offset)	Voltage	<0.01%+2mV						
	Current	<0.01%+250µA						
Line Regulation ± (% of output + offset)	Voltage	<0.01%+2mV						
	Current	<0.01%+250µA						
Output Ripple and Noise (20 Hz to 20 MHz)	Normal mode voltage	<350µVrms / 2mVpp						
Accuracy 12 months (23 °C ± 5 °C)		0.05%+10mV		0.1%+5mV	0.05%+10mV		0.1%+5mV	
Programming Accuracy ± (% of output + offset)	Voltage							
	Current	0.2%+5mA		0.1%+10mA	0.2%+5mA		0.1%+10mA	
Readback Accuracy ± (% of output + offset)	Voltage	0.05%+10mV		0.1%+5mV	0.05%+10mV		0.1%+5mV	
	Current	0.2%+5mA		0.1%+10mA	0.2%+5mA		0.1%+10mA	
Load Transient Recovery Time (Time to recover to within the settling band following a load change from 50% to 100% and from 100% to 50% of full load)	Voltage settling band	15mV						
	Time	< 50 µS						
AC Input		100, 115, or 230 V input (±10%), 50/60 Hz (Maximum 250Vac)						
Digital I/O port		Available	Available	Available	Available	Available	Available	
Connectivity	USB	Available	Available	Available	Available	Available	Available	
	LAN	Available	Available	Available	Available	Available	Available	
	RS232/485	Not Available	Available	Available	Not Available	Available	Available	
	GPIB	Not Available	Not Available	Available	Not Available	Not Available	Available	
Cooling Method		Air-cooled						
Operating Temperature Range		0 to 50 °C						
Storage Temperature		– 40 to 70 °C						
Relative Humidity		0 to 50 °C: ≤95% 30 to 40 °C: ≤75% 40 to 50 °C: ≤45%						
Altitude		Up to 3, 000 meters						
Dimensions		232 x 153 x 392 mm						
Weight		9.15 kg			9.45 kg			