

DPS 系列智能交流测试专用电源

DPS Series AC Power Source

DPS 系列交流变频电源具有输出波形品质好、负载适应性强、响应速度快、操作简便、源表一体化等特点，及输出短路、过流、过压、过功率、过热报警保护功能。具备通讯接口及专用测控软件，特别适合于高要求测试场合使用，是理想的交流测试专用电源。

DPS series AC power source has the characteristics of high quality output waveform, strong load adaptability, fast response speed, simple operation, and source-meter integration. It also has self-protections and alerts for short circuit, over current, over voltage, over power and over heat. It is equipped with communication interface and specific test software, especially suitable for the high demand test situation. It is the ideal power supply for AC tests.



输出稳定度高

High output stability

负载适应性强

Well-adapted for the load

低失真、高纯净

Low distortion, High purity



主要特点 Characteristics

- 高输出稳定度
High output stability
- 低失真、高纯净，特别适合谐波测试场合
Low distortion, high purity, especially suitable for harmonic testing occasions
- 极快的暂态响应速度（最快 $\leq 400\mu s$ ）
Speed instantaneous feedback up to $\leq 400\mu s$
- 电源效率高（ $\geq 85\%$ ）
High power efficiency ($\geq 85\%$)
- 带载能力强
Better load capacity
- RS232/485（选项）通讯接口及专用测控软件
RS232/485 (optional) communication port and control & test software

技术参数 Specifications

型号 Model	DPS1005	DPS1010	DPS1020	DPS1030	DPS1060	DPS1150	
输出容量 Max. power output	500VA	1kVA	2kVA	3kVA	6kVA	15kVA	
输入 Input							
相位 Phase	1φ					3φ	
电压 Voltage	110V/220V±10%		220V±10%		380V±10%		
频率 Frequency	50Hz/60Hz						
输出 Output							
相位 Phase	1φ						
电压 Voltage	范围 Range	2V~150V, 2V~300V				5V-150V, 5V-300V	
	稳定度 Stability	≤0.1%					
频率 Frequency	范围 Range	40Hz~65Hz; 40Hz~450Hz (optional)		45Hz~65Hz; 45Hz~400Hz (optional)			
	稳定度 Stability	≤0.03%reading+1digit		≤0.05%			
总谐波失真 THD	≤0.5% (40.0Hz~65.0Hz) ≤1% (65.1Hz~450.0Hz)			≤1%	≤1.5%		
负载效应 Load effect	≤0.2%V0+0.2V(V0: The voltage for half-load)			≤0.2%V0+0.1V(V0: The voltage for half-load)			
源电压效应 Source voltage effect	≤0.1%						
电源效率 Power efficiency	≥75%	≥80%	≥80%	≥85%	≥80%		
其它 Others							
通讯功能 Communication	RS-232 / RS-485 / CAN (选配) , 远程输出接口						
外形尺寸(W×H×D) Dimension (mm)	425×89×430		420×135 ×550	430×720×580		560×950 ×710	
重量 Weight	16kg	18kg	31kg	72kg	85kg	180kg	