

DPD-3303C/3305C 多路可编程线性直流电源

Multi-channel Programmable Linear DC Power Supply

产品特点 Product Features

- 3 组独立电源：30V/3A (5A) x2, 可切换 2.5V/3.3V/5V/3Ax1 3 independent channels : 30V/3A (5A) x2 and 2.5V/3.3V/5V/3Ax1
- 最小分辨率：100mV, 10mA Minimum resolution: 100mV, 10mA
- 3 位电压, 3 位电流显示 3-digit voltage and 3-digit current display
- 4 组面板设定 save/recall 功能 (另有关机前状态记忆) 4 groups of panel setting save / recall function (additional state memory before shutdown)
- Key-lock 按键锁功能 Key-lock function
- Buzzer 蜂鸣提醒功能 Buzzer alert function
- 自动串并联同步操作 Automatic serial-parallel synchronous operation
- Output ON/OFF 功能 Output ON/OFF function
- 过载与极性反向保护 Overload and reverse polarity protection



DPD-3303C

主要技术指标 Main Specifications

型号	DPD-3303C		DPD-3305C	
	CH1&CH2	CH3	CH1&CH2	CH3
输出额定电压值 Rated voltage output	0~30Vx2	2.5V/3.3V/5Vx1	0~30Vx2	2.5V/3.3V/5Vx1
输出额定电流值 Rated current output	0~3Ax2	3Ax1 (fixed)	0~5Ax2	3Ax1 (fixed)
电压输出特性 Voltage Output Characteristics				
电源效应 Power effect ion	≤0.01%+3mV			
负载效应 Load effect	≤0.01%+3mV (I≤3A) ; ≤0.02%+5mV (I> 3A)			
纹波与噪声 Ripple and noise	≤1mVrms (I≤3A, 5Hz~1MHz) ; ≤2mVrms (I> 3A, 5Hz~1MHz)			
恢复时间 Recovery time	≤100μs (50% load change, min load 0.5A)			
温度系数 Temperature coefficient	≤300ppm/°C			
输出范围 Output range	0 至设定电压连续可调 Continuously adjustable from 0 to set voltage			
电流输出特性 Current Output Characteristics				
电源效应 Power effect ion	≤0.2%+3mA			
负载效应 Load effect	≤0.2%+3mA (I≤3A) ; 0.2%+5mA (I> 3A)			
纹波与噪声 Ripple and noise	≤3mArms (I≤3A) ; ≤6mArms (I> 3A)			
输出范围 Output range	0 至设定电流连续可调 Continuously adjustable from 0 to set current			
并联跟踪操作 Parallel Tracking Operation				
电源效应 Power effect ion	≤0.01%+3mV			
负载效应 Load effect	≤0.01%+5mV (I≤3A) / ≤0.02%+10mV (I>3A)			
串联跟踪操作 Series Tracking Operation				
电源效应 Power effect ion	≤0.01%+5mV			
负载效应 Load effect	≤300mV			
跟踪误差 Tracking error	≤0.5%+100mV of the master (空载。加载时需加上负载效应≤300mV Without load. ≤300mV load effect should be added when loading)			
显示 Display				
电压表 Voltage meter	32.0V full scale, 3 digits 0.5-inch LED display			
电流表 Current meter	3.20A full scale, 3 digits 0.5-inch LED display		5.10A full scale, 3 digits 0.5-inch LED display	
电压分辨率 Voltage resolution	100mV			
电流分辨率 Current resolution	10mA			
编程精度(25±5°C) Programming accuracy	±(0.5% of reading + 2digits) (0~30V) ±(0.5% of reading + 2digits) (I≤3A) ±(0.5% of reading + 5digits) (I>3A)			
读数精度 (25±5°C)	±(0.5% of reading + 2digits) (0~30V)			

Reading accuracy	$\pm(0.5\% \text{ of reading} + 3\text{digits}) (I\leq 3A)$ $\pm(0.5\% \text{ of reading} + 5\text{digits}) (I>3A)$	
CH3 规格 CH3 Specification		
输出电压 Voltage output	2.5V, 3.3V, 5V, $\pm 8\%$	
输出电流 Current output	3A	
电源效应 Power effect	$\leq 25\text{mV}$	
负载效应 Load effect	$\leq 25\text{mV}$	
纹波和噪声 Ripple and noise	$\leq 2\text{mVrms}$	
保护 Protection	过载，输出反极性保护 Overload and output reverse polarity protection	
锁键盘 Lock keyboard	有 Yes	
USB 接口 USB interlock	无 No	
存储调出 Save and recall	5 组；面板 4 组，含关机前状态记忆共 5 组 5 groups ; 4 groups on the panel, 5 groups including state memory before shutdown	
绝缘度 Insulation degree	底座与端子间 between base and terminal: $\geq 20\text{M}\Omega/500\text{VDC}$ 底座与交流电源线间 between base and AC power cable: $\geq 30\text{M}\Omega/500\text{VDC}$	
使用环境 Operation environment	环境温度 Environment temperature: $0\sim 40^{\circ}\text{C}$ 相对湿度 Relative humidity: $\leq 80\%$	
存储条件 Storage environment	环境温度 Environment temperature: $-10^{\circ}\text{C}\sim 70^{\circ}\text{C}$ 相对湿度 Relative humidity: $\leq 70\%$	
电源 Power supply	AC 115V/220V $\pm 15\%$ 50Hz/60Hz	
附件 Accessories	用户手册 Manual, 电源线 Power cable	
尺寸 Dimensions	310(D) $\times$ 250(W) $\times$ 150(H)mm	
重量 Weight	7.5kg	10kg