

DPD-3303S 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/3Ax2，可切换 2.5V/3.3V/5V/3Ax1 3 independent channels：30V/3Ax2 and 2.5V/3.3V/5V/3Ax1
- 最小分辨率：1mV, 1mA Minimum resolution: 1mV, 1mA
- 5 位电压，4 位电流显示 5-digit voltage and 4-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
- 标配 USB 接口 Standard USB interface equipped



DPD-3303S

主要技术指标 Main Specifications

型号	DPD-3303S	
	CH1&CH2	CH3
输出额定电压值 Rated voltage output	0~30Vx2	2.5V/3.3V/5Vx1
输出额定电流值 Rated current output	0~3Ax2	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%+10mV 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	32.000V full scale, 5 digits 0.4-inch LED display	
电流表 Current meter	3.200A full scale, 4 digits 0.4-inch LED display	
电压分辨率 Voltage resolution	1mV	
电流分辨率 Current resolution	1mA	
编程精度(25±5℃)	±(0.03% of reading + 10mV) (0~30V)	
Programming accuracy	±(0.3% of reading + 10mA) (I≤3A)	
读数精度 (25±5℃)	±(0.03% of reading + 10mV) (0~30V)	
Reading accuracy	±(0.3% of reading + 10mA) (I≤3A)	
CH3 规格 CH3 Specification		
输出电压 Voltage output	2.5V, 3.3V, 5V, ±8%	

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输出电流 Current output	3A
电源效应 Power effect	≤25mV
负载效应 Load effect	≤25mV
纹波和噪声 Ripple and noise	≤2mVrms
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	有 Yes
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:≥20MΩ/500VDC 底座与交流电源线间 between base and AC power cable:≥30MΩ/500VDC
使用环境 Operation environment	环境温度 Environment temperature:0~40℃ 相对湿度 Relative humidity:≤80%
存储条件 Storage environment	环境温度 Environment temperature:-10℃~70℃ 相对湿度 Relative humidity:≤70%
电源 Power supply	AC 115V/220V±10% 50Hz/60Hz
附件 Accessories	用户手册 Manual, 电源线 Power cable, USB 接口电缆*1 USB interface cable*1, 上位机光盘*1 Software*1
尺寸 Dimensions	310(D)×250(W)×150(H)mm
重量 Weight	7.5kg