Programmable DC Power Source

The regulation mode adopts Power module, which facilitates high efficiency, high accuracy and high stability.

The series can be made according to customer request, with output voltage up to 2000V and output current up to 3000A.

Model: CKT10001

Size: 425*44*450mm

Over Voltage Protection, Over Current Protection, Over Temperature Protection and Over Load Protection keep the power supply and their load safe from unexpected conditions.

For more complicated applications, the power supplies are available with many optional functions: RS232/485 interface, remote sensing, remote ON/OFF control, timer switch, and square waveform output. The power supply is an ideal solution for various industrial applications.

Features

- Max. output voltage 1000V, Max. output current 1A
- Applying power module and 19-inch standard size
- 4 1/2 LED display for voltage and current
- Constant voltage (CV) and constant current (CC) operations, Auto CV/CC switch
- Front panel operation: preset voltage and current, output ON/OFF
- Multiple protections: OVP, OCP, OTP and OLP
- Optional function - Digital Signal output: RS232 or RS485 interface
- Optional function - Analog output: DC 0-5V or 4-20mA signal to control the output voltage and current
- Optional function - Remote Sensing: to compensate the voltage drop
- Optional function - Remote ON/OFF control: using a potentiometer to control the output
- Optional function - Timer Switch: to turn on or o忏 the output as per preset ti盯ie
- Optional function - Square Waveform Output: to output user-defined square waveform according to preset time and cycles

□ Customized specifications and functions acceptable

Specifications

Output capacity	1000W/1000V/1A
Model	CKT10001
Input	single phase 220Vac ±10%
Constant Voltage Operation	
Output voltage	DC 0~100% full range adjustable
Line regulation	≤0.2% + 2d
Load regulation	≤0.3% + 2d
Temperature drift	≤0.1%/℃
Ripple&Noise	≤0.3%+10mV(rms)
Constant Current Operation	
Output Current	DC 0~100% full range adjustable
Line regulation	≤0.2% + 2d
Load regulation	≤0.3% + 2d
Temperature drift	≤0.3%/℃
Ripple&Noise	≤0.5%+10mA (rms)
Display	
Meter	4 digits LED display
Voltage display	00.00V-99.99V; 000.0V-999.9V; 0000V-9999V
Current resolution	00.00A-99.99A; 000.0A-999.9A; 0000A-9999A
Accuracy	±1%(F.S)
Protection	
Over Voltage Protection (OVP)	Built-in OVP, protection limit is +5% of rated voltage. The output will be shutdown when OVP is activated.
Over Current Protection (OCP)	Over load, short circuit and current limit output
Over Temperature Protection (OTP)	Built-in OTP, protection limit is 85℃±5% (temperature of cooling device). The output will be shutdown when OTP is activated.
General	
Cooling method	Cooling fan
Input module	Power socket or terminal block
Operating environment	0℃~40℃,10%~80%RH
Storage environment	-20℃~70℃, 10%~90%RH