



## GD series DC Power Supply

### GD系列直流电源

GD 系列直流电源主要应用于晶体生长、金属管道热处理、碳-碳沉积、电解、热处理、冶金等领域。

GD series DC power supplies are mainly used in crystal growth, heat treatment of metal pipes, carbon-carbon deposition, electrolysis, heat treatment, metallurgy and other fields.

GDS-□KW/□V/□V DC-□A

#### 选型说明 Model definition

输出电流  
Output Current

输出电压  
Output Voltage

输入电压: AC 3\*380V 其它  
Input Voltage: AC 3\*380V Other

额定功率  
Rated Power

冷却方式 S: 水冷  
Cooling mode S: Water cooling

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## 特点

### Characteristics of Power supply

- 采用柜式一体化或模块化设计, 按行业标准设计。
- 模块化结构采用 N+1 冗余配置, 可靠性高。
- 采用 IGBT 作为逆变功率器件, 超微晶合金变压器, 体积小、重量轻、功率因数高、转换效率高。
- 高速 DSP 芯片和高精度 AD 转换。
- 具有输入过 / 欠压、输出限电压、输出限电流、负载开路 / 短路, 温度异常保护等完善的故障检查及保护功能。
- 输入 / 输出信号采用隔离器件, 抗干扰能力强。
- 多种通讯方式可选。
- It adopts cabinet-type integration or modular design according to relevant industrial standards.
- The modular structure adopts n + 1 redundancy configuration with high reliability.
- IGBT is used as the inverter power device, and the super microcrystalline alloy transformer has the advantages of small volume, light weight, high power factor and high conversion efficiency.
- High speed DSP chip and high precision AD conversion.
- with perfect fault checking and protection functions such as input over / under voltage, output voltage limiting, output current limiting, load open / short circuit, temperature abnormal protection, etc.
- The input / output signal adopts isolation device with strong anti-interference ability.
- Multiple communication modes can be selected.

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## 技术参数

### Technical parameters

输入 Input	3×AC380V±15%; 50/60HZ	
输出 Output	DC 0-800V (可定制) DC 0-800V(customizable)	
	DC 0-50000A (可定制) DC 0-50000A(customizable)	
主要特性 Main features	给定方式 Given mode	模拟量、通讯 Analog quantity, communication
	控制模式 Control mode	恒压、恒流、恒功率 Constant voltage, constant current, constant power
	控制精度 Control precision	普通型优于 0.5% 高精度型优于 0.01% Ordinary type overtop 0.5%, high precision type overtop 0.01%
	稳定精度 Stabilization precision	普通型优于 0.1% 高精度型优于 0.01% Ordinary type overtop 0.1%, high precision type overtop 0.01%
	功率因数 PF	≥ 0.95 Above 0.95
	效率 Efficiency	90-97% (视输出及整流形式而定) 90-97%(according to output and rectification form)
	噪声 Noise	≤ 60dB Below 60dB
	保护功能 Protective function	过/欠压、过流、过热、水流量保护 Overvoltage/undervoltage, overcurrent, overheating, water flow protection
	工作方式 Working mode	连续式 Continuous type
	冷却方式 Cooling mode	水冷 Water cooling
环境 Environment	使用环境温度 Ambient temperature	-5°C~+40°C
	储存温度 Storage temperature	-5°C~+60°C
	相对湿度 Relative humidity	≤ 90%RH, 不结露 No moisture condensation ≤ 90%RH
结构 Structure	安装方式 Installation way	室内柜式安装 Indoor cabinet-type installation

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