

晶闸管直流电源

Thyristor DC power supply



产品用途 Application

产品广泛应用于电解、电镀、冶金、表面处理、工业电炉、晶体生长、金属防腐蚀、充电等行业领域。

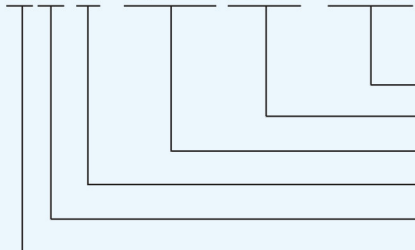
Widely used in electrolysis, electroplating, metallurgy, surface treatment, industrial furnace, crystal growth, metal corrosion protection, charging and other industries.

产品特点 Features

- 全数字化设计，32位高速DSP作为控制核心，响应速度快，稳定性高
- 支持恒电压、恒电流、恒功率等多种运行方式，可自由选择使用
- 采用多脉波整流技术，纹波低、谐波低，功率因数高
- 采用专利变压器技术，电源整机效率高
- 具备输出极性手/自动切换功能
- 可选风冷、水冷、水-水循环等多种冷却方式
- 具备过流、过热、短路、冷却系统故障等完善的保护功能
- 标配支持Modbus RTU通讯，选件支持Profibus-DP通讯
- Full digital design, 32 bit high-speed DSP as the control core, fast response, high stability
- Support the constant voltage, constant current, constant power and other operating mode, can freely choose to use
- Using the multi pulse rectifier technology, low ripple, low harmonics, high power factor
- Using patent transformer technology, high power efficiency
- With the output polarity of manual / automatic switching function
- Optional fan cooling, water cooling, water-water cycle, etc
- Fault protection functions such as over current, over heat, short circuit and cooling system fault, etc.
- Standard configuration:support Modbus RTU communication, options:support Profibus-DP communication

型号定义 Model Definition

DS □10 - □□□□/□□□ - T □□□



| | |
|---------|---------------------------|
| 输入电压 | Input voltage |
| 额定电流 | Rated output current |
| 额定电压 | Rated output voltage |
| 设计序号 | Design number |
| 行业代码 | Industry code |
| 晶闸管直流电源 | Thyristor DC power supply |

规格参数 Specification Parameter

| | |
|------|--------------------------------------------------|
| 输入 | |
| 输入电压 | 3ΦAC360~460V (特殊规格定制) |
| 输入频率 | 47~63Hz |
| 输出 | |
| 额定电压 | DC24~100V (特殊规格定制) |
| 额定电流 | DC500~20000A (特殊规格定制) |
| 主要特征 | |
| 控制精度 | 1% |
| 稳定度 | 优于0.5% |
| 给定方式 | 模拟、通讯 |
| 控制特性 | 恒电压、恒电流、恒功率；手动/自动切换输出极性；本机/远程控制 |
| 保护功能 | 过流保护、过热保护、电源异常、晶闸管故障、冷却系统故障 |
| 通讯 | 标准配置:RS485通讯接口, 支持Modbus通讯 选件:支持Profibus-DP通讯 |
| 其他 | |
| 冷却方式 | 风冷、水冷、水-水循环 |
| 外形尺寸 | 根据客户要求定制 |

| | |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Input | |
| Input voltage | 3ΦAC360~460V (could be customized) |
| Input frequency | 47~63Hz |
| Output | |
| Rated voltage | DC24~100V (could be customized) |
| Rated current | DC500~20000A (could be customized) |
| Main features | |
| Control accuracy | 1% |
| Stability | Better than 0.5% |
| Setting mode | Analog, communication |
| Control characteristic | Constant voltage, constant current, constant power; Manual / automatic switching output polarity; Local/remote control |
| Protection | Over current protection, overheat protection power anomaly, thyristor fault, cooling system fault |
| Communication | Standard configuration:RS485 communication interface, support Modbus communication Option:Support Profibus-DP communication |
| Other | |
| Cooling mode | Fan cooling, water cooling, water-water cycle |
| Dimension | Can be customized according to customer requirements |

