



## KT series AC voltage Regulating Power Supply

### KT系列交流调压电源



KT 系列交流调压电源广泛应用于粉末烧结、金属冶金、热处理、玻璃炉、晶体生长、气体加热等行业。

KT series AC voltage Regulating Power Supply is widely used in powder sintering, metal metallurgy, heat treatment, glass furnace, crystal growth, gas heating and other industries.

KT□□-□KVA/□×□V/□V

#### 选型说明 Model definition

输出电压：变压器二次侧电压

Output Voltage: Secondary side voltage of transformer

输入电压：AC 220V 380V 其它

Input Voltage: AC 220V 380V Other

1: 单相 3: 三相

1: Single-phase 3: Three-phase

额定功率

Rated power

设计序号：1 交流 2 直流 3 过零触发 4 数字化

Design serial number: 1 AC 2 DC 3 Zero-crossing trigger 4 Digitization

冷却方式 A: 空气自冷 F: 强迫风冷 S: 水冷

Cooling mode A:AN F:AF S:Water cooling

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## 特点

### Characteristics of Power supply

- 具有恒电压、恒电流、恒功率开环等多种控制方式。
  - 高速 DSP 芯片及高精度 AD 转换，反应速度快，控制精度优于 1%，分辨率优于 1‰。
  - 具有自动限流功能。
  - 具有软启动、软关断功能。
  - 具有缺相、过流、过热、晶闸管故障、负载断线及不平衡保护功能。
  - 具有故障自诊断及相序自动确认功能。
  - 配备 LED 数码显示，便于功能参数设置及运行参数显示。
  - RS485 通讯接口，MODBUS 通讯协议。
- With constant voltage, constant current, constant power open loop and other control modes.
  - High-speed DSP chip and high-precision AD conversion, fast response speed, the control accuracy is higher than 1%, and the resolution ratio is better than 1‰.
  - With automatic current limiting function.
  - With soft-start, soft-close functions.
  - With phase loss, overcurrent, overheating, thyristor failure, load disconnection and unbalance protection functions.
  - With the function of fault self-diagnosis and phase sequence automatic confirmation.
  - Equipped with LED digital display, which is convenient for function parameter setting and running parameter display.
  - RS485 communication interface, MODBUS communication protocol.

## 技术参数

### Technical parameters

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输入 Input	输入电压 Input voltage	3 (1) ×220V±15%; 3 (1) ×380V±15%; 50Hz/60Hz; 其它 Others
	控制电源 Control power supply	AC220V, 50Hz/60Hz
输出 Output	输出电压 Output voltage	AC5V ~ 用户自定 AC5V~ User Defined
	输出电流 Output current	AC20A ~ 8000A 用户自定 AC20A~8000A User Defined
	适用负载 Applicable load	石墨、硅碳棒、钼、钨、铌、钽等 Graphite, silicon carbide rod, molybdenum, tungsten, niobium and tantalum etc.
主要控制特性 Main Control Characteristics	给定信号 Given signal	DC: 0 ~ 5(10)V/0(4) ~ 20mA 通讯 DC: 0~5(10)V/0(4)~20mA Communication
	控制方式 Control mode	开环、恒压、恒流、恒功率闭环控制 Open-loop, constant voltage, constant current and constant power closed-loop control
	工作方式 Working mode	连续式 Continuous type
保护 Protection	缺相保护、过流保护、过热保护、负载断线保护 Default phase protection, overcurrent protection, overheating protection, load disconnection protection	
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	结构方式 Structure form	室内柜式安装 Indoor cabinet-type installation

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