



KT series Power Controller

KT系列功率控制器



KT 系列功率控制器适用于阻性负载、感性负载、变压器一次侧等，可广泛应用于工业各领域的电压、电流及功率的连续调节。

KT series Power Controller is applicable to resistive load, inductive load and transformer primary side etc. It can be widely used in the continuous regulation of voltage, current and power in various fields of industry.

KT□□-□KVA/□×□V-□

选型说明 Model definition

熔断器 缺省：无熔断器 I：内置熔断器 O：外置熔断器
 FUSE Defalut:No fuse I: Fuse built-in O: Fuse external

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

KT 系列功率控制器
 KT series Power Controller

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。
- 采用模块化设计，体积小、重量轻。
- RS485 通讯接口，MODBUS 通讯协议。
- With constant voltage, constant current, constant power open loop and other control methods.
- With High-speed DSP chip and high-precision AD conversion, fast response speed. The control accuracy is better 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 functions of fault self-diagnosis and phase sequence automatic confirmation.
- Equipped with LED digital display, which is convenient for function parameter setting and running parameters display.
- Adopt modular design, small size and light weight.
- RS485 communication interface, MODBUS communication protocol.

技术参数

Technical parameters

KT series Power Controller

输入 Input	额定输入电压 Rated input voltage	AC 1(3)×220V; 380V±15%; 50/60Hz 其它 (others)
	控制电源 Control power supply	AC220V, 50/60Hz
输出 Output	输出电压 Output voltage	输入电压的0-98% 0-98% of input voltage
	输出电流 Output current	额定电流的0-100% (见型号规格) 0-100% of rated current (Model Specifications for reference)
	适用负载 Applicable load	电阻负载、电感负载、变压器一次、气体放电负载等 Resistance load, inductance load, transformer primary load, gas discharge load etc.
主要特性 Main features	给定方式 Given method	开关量 模拟量 通讯 Switch value analog quantity communication
	控制模式 Control mode	恒压、恒流、恒功率、调功 (过零) Constant voltage, constant current, constant power, power regulation (zero crossing)
	高精度AD转换 High precision AD conversion	12位AD 12 bits AD
	控制精度 Control precision	优于 1% Overtop 1%
	采集分辨率 Acquisition resolution	高于0.1% Overtop 0.1%
	闭环控制模式 Closed loop control mode	恒电流、恒电压、恒功率以及过零恒功控制任意选择 Choose freely constant current, constant voltage, constant power and zero crossing constant power control mode
	触发模式 Trigger mode	过零，移相以及过零 + 移相任意选择 Choose freely zero crossing, phase shift, zero crossing plus phase shift
	给定信号 Given signal	模拟给定，键盘数字给定以及通信给定任意选择 Choose freely analog given, keypad given and communication given
	模拟量输入接口 Analog quantity input interface	两路可编程输入 Two programmable inputs
环境 Environment	使用场所 Application place	室内，不受阳光直射，无尘埃、腐蚀性气体、可燃性气体、油雾、水蒸汽、滴水或盐份等 Indoor, no direct sunlight, no dust, corrosive gas, combustible gas, oil mist, water vapor, drip and salinity etc.
	海拔高度 Altitude	1000米以下，高于1000米降额使用 Below 1000 meters, derating above 1000 meters
	环境温度 Ambient temperature	- 5°C ~ + 40°C
	湿度 Humidity	小于90%RH，无水珠凝结 No condensation of water drops below 90%RH
	振动 Vibration	小于5.9m/s ² (0.6g) Below 5.9m/s ² (0.6g)

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. NOT RESPONSIBLE FOR ERRORS OR OMISSIONS.
©2022 JIANGSU EASTONE TECHNOLOGY CO., LTD. ALL RIGHTS



江苏东方四通科技股份有限公司
JIANGSU EASTONE TECHNOLOGY CO., LTD.

www.zjgst.com

地址：江苏省张家港经济技术开发区新泾西路1号
(ADD): No. 1, Xinjing West Road, Zhangjiagang Economic and Technological Development Zone, Jiangsu Province
电话 (TEL): 0512-58105999 58105998 58105955

传真 (FAX): 0512-58105996 邮编 (P.C.): 215600 邮箱 (E-Mail): sales@zjgst.com

