

# TPM50 系列多回路功率控制器

## TPM50 series multi-loop power controller



### 产品用途 Application

TPM50 系列多回路功率控制器采用模组设计思路，内部集成最多 6 回路。产品主要应用于扩散炉、PECVD、外延炉等。

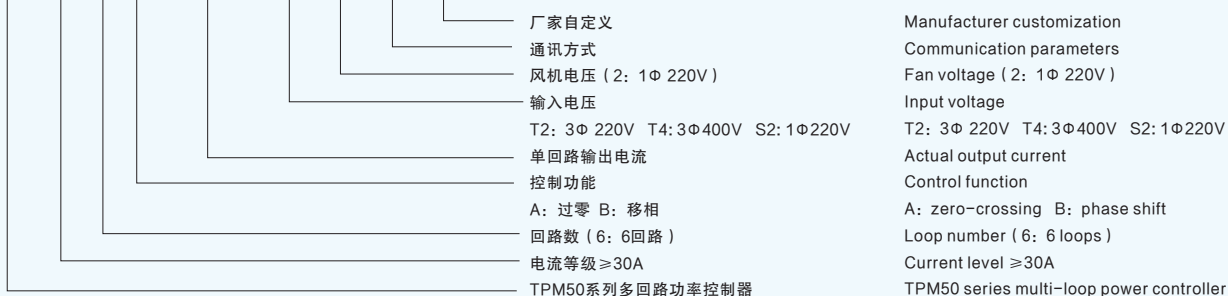
TPM50 series multi-loop power controller adopts module design, with internal integration of up to 6 loops. The products are mainly used in diffusion furnace, PECVD, epitaxial furnace, etc.

### 产品特点 Features

- 体积小，内部集成6个调功回路，每个回路独立控制
- 每个回路带内置快熔
- 结构紧凑、操作简单
- 下拉式盖板，方便接线和维护
- 采用过零控制，对电网无污染
- 下置送风风机，使用寿命更长
- 每个回路带独立控制板，互不影响
- 集成6路独立4~20mA给定信号，具备电流限制功能
- Small size, 6 power regulating circuits are integrated internally, each of which is controlled independently
- Each circuit with built-in fast fuse
- Compact structure and simple operation
- Drop-down cover plate, convenient for wiring and maintenance
- Zero crossing control, no pollution to power grid
- Fan in the bottom, longer service life
- Each circuit is equipped with independent control board, which does not affect each other
- With 6 independent 4~20mA given signal, with current limitation function

## 型号定义 Model Definition

TPM 50 □ □ - □ □ □ - □ □ □ / □ □ □ □



规格 Type	电压范围(V) Voltage	电流(A) Current	外形尺寸H×W×D(mm) Dimension	重量 (kg) Weight	冷却方式 Cooling mode	推荐选型电缆mm <sup>2</sup> Recommended model Cable mm <sup>2</sup>
TPM506A-120-S2/**	≤230V	120A	290×340×202	11.2kG	风冷 Air cooling	35
TPM506A-150-S4/**	≤400V	150A	290×340×202	11.2kG		35

## 规格参数 Specification Parameter

输入	
主回路电源	AC230V、400V 50/60Hz
控制电源	DC24V 10W
风机电源	AC220V
输出	
额定电流	30~150A (特殊可定制)
运行模式	过零定周期
控制信号	4~20mA
负载性质	阻性
性能指标	
控制精度	1%
接口描述	
模拟输入	1~6路 DC 4~20mA
开关输出	1路常闭触点 (过热信号)

Input	
Main circuit voltage	AC230V、400V 50/60Hz
Control power supply	DC24V 10W
Fan power supply	AC220V
Output	
Rated current	30~150A (customization)
Operation mode	Zero crossing fixed period
Control signal	4~20mA
Load property	Resistance
Performance index	
Control accuracy	1%
Interface description	
Analog input	1~6 loop(s) DC 4~20mA
Switch output	1 loop normally closed contact (over heat signal)

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