



PST-Series RF Power Supply

PST系列射频电源



PST 系列射频电源主要应用于等离子体、太阳能电池、显示屏制造等领域，以其优良的控制算法、对功率的精确控制、稳定可靠的持续输出，能够适用于丰富多样的等离子体应用。

PST-series RF power supply is mainly used in plasma, solar cell, display screen manufacturing and other fields. With excellent control algorithm, precise control of power, stable and reliable continuous output, it can be applied to a variety of plasma applications.

PST - RF5K - 13MA

选型说明 Model definition

输出频率: "13", 13.56MHz "27", 27.12MHz
Output Frequency: "13", 13.56MHz "27", 27.12MHz

输出功率: "5", 5kW "10", 10kW
Output Power: "5", 5kW "10", 10kW

设备类型: "RF", 射频电源 "AM", 匹配器
Type: "RF", RF Power Supply "AM", RF Match Box

机种型号: PST 系列
Model: PST-Series



特征

Features

- 采用模块化设计,按照行业标准设计。
 - 高稳态功率输出。
 - 最大效率可达 80%。
 - 0.5W 的最小功率控制精度。
 - 脉冲输出功能集成。
 - Arc 抑制功能集成。
 - 自动频率调谐。
 - 丰富的通讯接口。
 - 控制指令快速响应。
- It adopts modular design and is designed according to industrial standards.
 - High steady-state power output.
 - Maximum efficiency up to 80%.
 - 0.5W minimum power control accuracy.
 - Pulse output function integration.
 - Arc suppression function integration.
 - Auto frequency tuning.
 - More communication interfaces.
 - Quick response to control commands.

技术参数

Technical parameters

PST-Series RF Power Supply

型号 Model	PST-AM5K-13MA	PST-AM10K-13MA
供电参数 Power supply parameter		
供电电压 Power supply voltage	24VDC / 87-264VAC	24VDC / 87-264 VAC
供电频率 Power supply frequency	50 / 60Hz(45-65)Hz	50 / 60Hz(45-65)Hz
功率参数 Power parameter		
输出功率 Output power	5kW	10kW
标称功率 Nominal power	5kW	10kW
输出频率 Output frequency	13.56MHz±0.5%	13.56MHz±0.5%
反射功率 Reflected power	5w or<1% of forward power	5w or<1% of forward power
通信接口 Communication interface		
接口 Interface	模拟量输入, RS232/RS485,Profibus, DeviceNet Analog input, RS232/RS485,Profibus, DeviceNet	
环境 Environment		
工作环境温度 Operating temperature	+5°C~+45°C	+5°C~+45°C
存储环境温度 Storage temperature	-25°C~+55°C	-25°C~+55°C
相对湿度 Relative humidity	5-85%无冷凝 5-85%No condensation	5-85%无冷凝 5-85%No condensation
气压 Atmospheric pressure	80-106kPa	80-106kPa
其他 Others		
防护等级 Protection class	IP21	IP21
重量外形尺寸(WxHxL) Weight/dimensions	8kg / 368mm x 165mm x 450mm	20kg / 400mm x 230mm x 560mm
冷却方式 Cooling mode	水冷+风冷 Water cooling plus air cooling	

技术参数

Technical parameters

PST-Series RF Power Supply

型号 Model	PST-RF5K-13MA	PST-RF10K-13MA
输入参数 Input parameter		
输入电压 Input voltage	400V-480V±10%(3+PE,No Neutral)	400V-480V±10%(3+PE,No Neutral)
输入频率 Input frequency	50 / 60Hz	50 / 60Hz
输入功率 Input power	9KVA	18KVA
功率因数 Power factor	90%	90%
输出参数 Output parameter		
额定输出功率 Rated output power	5kW	10kW
额定负载阻抗 Rated load impedance	50Ω	50Ω
输出频率 Output frequency	13.56MHz±0.5%	13.56MHz±0.5%
脉冲频率 Pulse frequency	1Hz-50kHz	1Hz-50kHz
功率精度 Power accuracy	±1W和设定值的±1%中的较大者 ±1W and the greater of ±1% of the setting value	±1W和设定值的±1%中的较大者 ±1W and the greater of ±1% of the setting value
CEX模式 CEX mode	支持 Supported	支持 Supported
调谐时间 Tuning time	<10ms	<10ms
环境 Environment		
工作环境温度 Operating temperature	+5°C~+45°C	+5°C~+45°C
存储环境温度 Storage temperature	-25°C~+55°C	-25°C~+55°C
相对湿度 Relative humidity	5-85%无冷凝 5-85%No condensation	5-85%无冷凝 5-85%No condensation
气压 Atmospheric pressure	80 - 106kPa	80- 106kPa
通信接口 Communication interface		
接口 Interface	模拟量输入, RS232/RS485,Profibus, DeviceNet Analog input, RS232/RS485,Profibus, DeviceNet	
其他 Others		
防护等级 Protection class	IP20	IP20
重量 Weight	30kg	50kg
外形尺寸(Wx HxL) Dimensions	483mm×130mm×500mm	483mm x 175mm x 650mm
效率(50Ω) Efficiency (50Ω)	>78%	>75%
冷却方式 Cooling mode	水冷 Water cooling	水冷 Water cooling
冷却介质温度 Temperature of the cooling medium	5°C~35°C	5°C~35°C

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