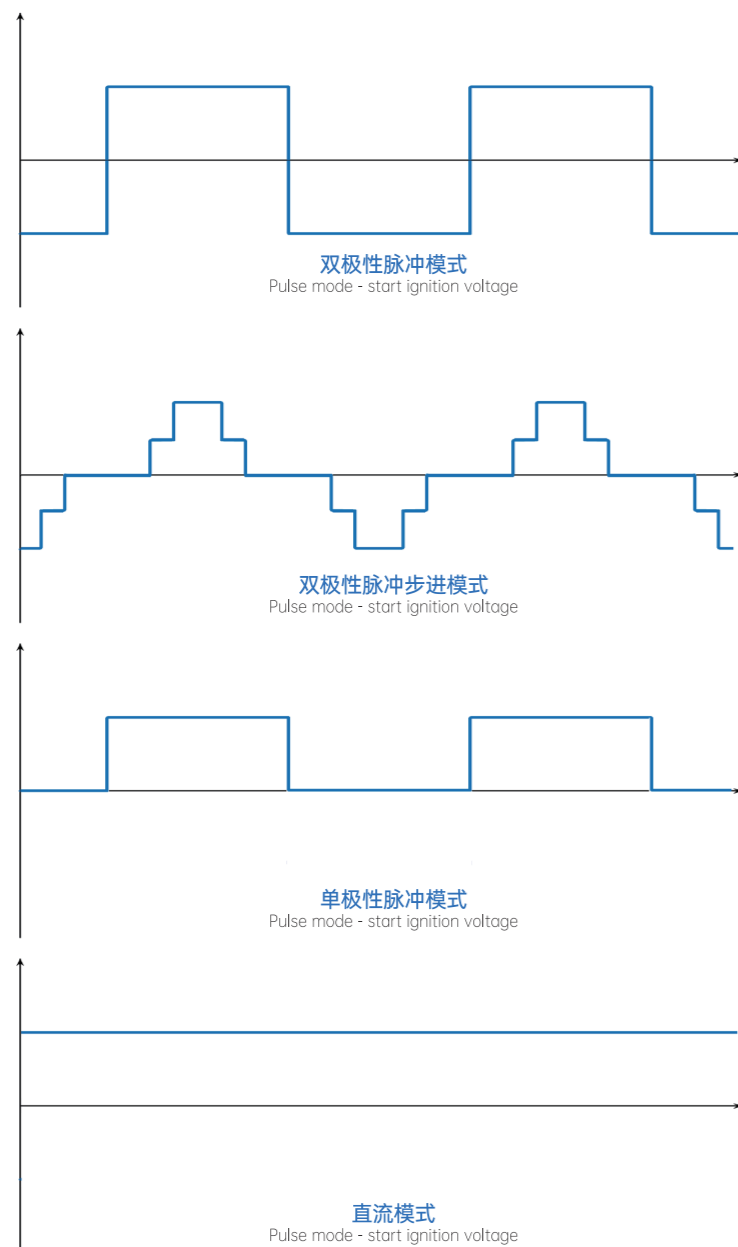


BP-Series Bipolar Sputtering Power Supply

技术参数

Technical parameters



SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. NOT RESPONSIBLE FOR ERRORS OR OMISSIONS.
©2023 JIANGSU EASTONE TECHNOLOGY CO., LTD. ALL RIGHTS



BP-Series Bipolar Sputtering Power Supply

BP系列双极溅射电源

BP 系列双极溅射电源主要应用于等离子辅助薄膜沉积 PECVD 和双阴极溅射镀膜领域。以其优良的控制算法,能够提供稳定可靠的双极性输出,并对功率、电压、电流、频率和脉冲时间等提供精确的输出控制。

BP-series bipolar sputtering power supply is mainly used in the fields of plasma assisted film deposition PECVD and double cathode sputtering coating. With its excellent control algorithm, it can provide stable and reliable bipolar output, and provide precise output control of power, voltage, current, frequency and pulse time etc.

BP—6030

选型说明 Model definition

输出功率: "30", 30kW "40", 40kW "60", 60kW
Output Power: "30", 30kW "40", 40kW "60", 60kW

最大机型: 60kW
Max Power: 60kW

机种型号: BP 系列
Model: BP-Series



特征

Features

- 采用模块化设计,按照行业标准设计。
 - 波形和频率灵活可调。
 - 双极性、单极性、直流、脉冲多种模式合一。
 - 高稳态功率输出。输出稳定性 $\pm 0.2\%$ 。
 - 电弧主动抑制技术。
 - 极快的电弧响应。
 - 极低的电弧携带能量。小于 0.3mJ/kW 的能量携带。
 - 丰富的通讯接口。
 - 控制指令的快速响应。
- It adopts modular design and is designed in accordance with industry standards.
 - Flexible and adjustable waveform and frequency.
 - A combination of bipolar, unipolar, DC, and pulse modes.
 - High steady-state power output. Output stability $\pm 0.2\%$.
 - Active arc suppression technology.
 - Ultimately fast arc response.
 - Lowest arc carrying energy. less than 0.3 mJ per 1 kW of output.
 - More communication interface.
 - Quick response to control commands.

技术参数

Technical parameters

BP-Series Bipolar Sputtering Power Supply

型号 Model	Bipolar Sputtering BP-6030	Bipolar Sputtering BP-6040	Bipolar Sputtering BP-6060
输入参数 Input parameter			
输入电压 Input voltage	400V - 480V \pm 10% (3+ PE, No Neutral)		
输入频率 Input frequency	50 / 60Hz(45-65)Hz		
最大输入电流 Max input current	3x 66A	3x 88A	3x 132A
输出参数 Output parameter			
额定输出功率 Rated output power	30kW	40kW	60kW
电压范围 Voltage range	0-600V/0-1000V	0-600V/0-1000V	0-600V/0-1000V
电流范围 Current range	0-125A/0-75A	0-166A/0-100A	0-250A/0-150A
脉冲频率 Pulse frequency	0,1Hz-100kHz		
脉冲时间 Pulse time	Ton: 1-1000 ms Toff: 1-1000 ms		
工作模式 Working mode	功率、电压、电流power/voltage/current		
输出精度 Output accuracy	$\pm 0.5\%$		
重复精度 Repeated accuracy	$\pm 0.2\%$		

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. NOT RESPONSIBLE FOR ERRORS OR OMISSIONS.
©2023 JIANGSU EASTONE TECHNOLOGY CO., LTD. ALL RIGHTS

技术参数

Technical parameters

BP-Series Bipolar Sputtering Power Supply

型号 Model	Bipolar Sputtering BP-6030	Bipolar Sputtering BP-6040	Bipolar Sputtering BP-6060
接口参数 Interface parameter			
LCD	支持 Supported		
RS232	支持 Supported		
PROFIBUS/RS485	支持 Supported		
EtherCAT	支持 Supported		
模拟量输入 Analog input	支持 Supported		
ARC检测 ARC Detection			
ARC检测类型 ARC Detection	I _{max} 、U _{xl} 、dU		
ARC能量 ARC energy	<0.3 mJ/kW		
ARC处理时间 ARC processing time	<100ns		
环境 Environment			
工作环境温度 Operating temperature	+5°C~+45°C		
存储环境温度 Storage temperature	-25°C~+55°C		
相对湿度 Relative humidity	5-85%无冷凝 No condensation		
气压 Atmospheric pressure	86-106kPa		
其他 Others			
防护等级 Protection class	IP40		
外形尺寸(WxHxL) Dimensions	480mm x 356mm x 730mm	480mm x 356mm x 730mm	480mm x 534mm x 730mm
重量 Weight	98kg	108kg	148kg
效率 Efficiency	> 90%		
冷却方式 Cooling mode	水冷 Water cooling		