

# KGPS系列中频电源

## KGPS Series Medium Frequency Power Supply

### 产品用途:

适用于各种金属的熔炼、保温、透热、热处理、钎焊、弯管等感应设备的供电电源。

### 产品特点:

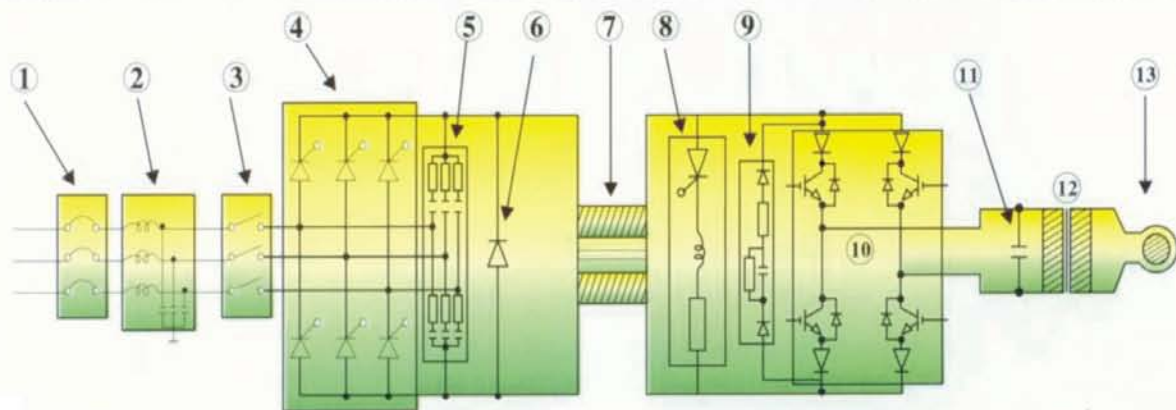
- 控制电路全数字化、集成化、高抗干扰性，功率因数达95%以上。
- 采用扫频式电路，工作稳定，保护可靠，负载适应性强，频繁启动成功率高达98%以上。
- 全面保护功能（负载短路、开路、缺水、过滤、过压、缺相等），可确保设备在多种故障情况下自动安全停机。
- 体积小、占地少，效率高，线路简介，美观，空间布局合理，全功率连续可调，温度闭环及恒功率控制，设备故障自诊断功能。
- 主电路有并联谐振和串联谐振两种。

### Product application

The KGPS power supply is widely applied in melting, heat preservation, forging, thermal processing, braze-welding, bending of all kinds of metal heating treatment.

### Product feature

- The character of control circuit: full digitalization, integration, reliable anti-interference, power factor more than 95%.
- The sweep-frequency circuit is adopted, steady operation, reliable protection and strong adaptability with load, frequent start-up successful rate more than 98%.
- Overall protection (short circuit, open circuit, lack water, over current, over voltage, lack phase...etc) ensure automatic stop running in case failure occurred.
- The advantages are: small volume, less space taken-up, high efficiency, concise circuit, reasonable layout, full load adjustable, temperature and power control constantly, failure diagnosis automatically.
- Two kinds of Parallel resonance and Series resonance circuits.



电气原理图 Schematic circuit diagram

1. 断路器 Breaker; 2. 交流滤波器 AC Wave Filter; 3. 接触器 Contactor; 4. 可控硅变频器 Controlled Silicon Converter; 5. 缓冲回路 Buffer Return Circuit; 6. 二极管 Diode; 7. 直流电抗器 DC Reactor; 8. 事故保护回路 Accident Production Return Circuit; 9. 逆变吸收回路 Inverter Absorber Return Circuit; 10. 逆变桥 Inverter Bridge; 11. 补偿电路 Compensating Circuit; 12. 变压器 Transformer; 13. 感应器 Inductor

技术参数 Technical parameter

型号 Model	进线电压 Input voltage (V)	额定功率 Rated power (kW)	额定频率 Rated frequency (kHz)	中频电压 MF voltage (V)
KGPS-50/1-8	380	50	1-8	700
KGPS-100/1-8	380	100	1-8	700
KGPS-160/1-8	380	160	1-8	700
KGPS-250/1-8	380	250	1-8	700
KGPS-350/0.5-8	380	350	0.5-8	700
KGPS-500/0.5-8	380	500	0.5-8	700
KGPS-600/0.5-8	380/575	600	0.5-8	700/1050
KGPS-750/0.5-6	380/575	750	0.5-8	700/1050
KGPS-1000/0.2-2.5	575	1000	0.2-2.5	1050
KGPS-1250/0.2-2.5	575	1250	0.2-2.5	1050
KGPS-1500/0.2-2.5	575	1500	0.2-2.5	1050
KGPS-2000/0.2-2.5	575	2000	0.2-2.5	1050
KGPS-2500/0.2-2.5	575/950	2500	0.2-2.5	1050/1900
KGPS-3000/0.2-2.5	575/950	3000	0.2-2.5	1050/1900
KGPS-3500/0.2-1	575/950	3500	0.2-1	1050/1900
KGPS-4000/0.2-1	575/950	4000	0.2-1	1050/1900
KGPS-4500/0.2-0.5	575/950	4500	0.2-0.5	1050/1900
KGPS-5000/0.2-0.5	575/950	5000	0.2-0.5	1050/1900
KGPS-6000/0.2-0.5	575/950	6000	0.2-0.5	1050/1900
KGPS-8000/0.2-0.5	575/950	8000	0.2-0.5	1050/1900