

全数字高压变频电源方案

High Voltage Digital Power Inverter Solution

商用微波数字逆变解决方案

Digital inverter solution for
commercial microwave oven

暖通空调与制冷行业驱动与控制解决方案

HVAC/R Driver And Control Solution

工业与家用高压数字化变频电源与控制方案
High Voltage Digital Power/ Inverter for Industrial
& Household Microwave Oven Solution

深圳市视麦电气技术有限公司

直线：400-0755-070

Company Profile

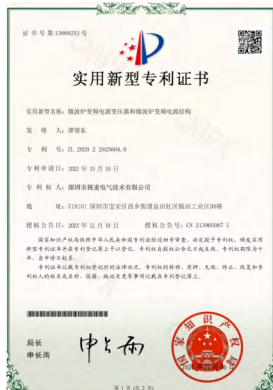
公司简介

深圳市视麦电气技术有限公司是一家以电力电子及工业控制技术为核心，专注于电能的变换，控制和应用的高压电源驱动方案提供商。产品广泛应用于暖通空调、冷冻冷藏解冻、新能源车载驱动、工业微波、电机驱动、变频暖风机、变频泳池机、煤改电热风机等行业。研发是我们秉承的核心，视麦一直致力于无桥PFC，全谐振等技术，研发生产矢量SVPWM全数字变频驱动电源(功率1KW-50KW)。公司将不断加大研发投入，积极拓展高压电源产业领域，始终贯彻“高品质，高稳定”产品宗旨，立志成为智能数字高压变频电源的核心企业。

Shenzhen Shimai Electrical Technology Co., Ltd. is a high-voltage power supply drivesolution provider focusing on power electronics and industrial control technology,focusing on power conversion,control an dapplication.The products are widely used in HVAC and refrigeration and thawing,new energy vehicle drive,Industrial microwave,motor drive, variable frequency air heater,variable frequency swimming pool machine, coal to electric air heater and other industries. Research and development is our core. Sshimai has been committed to bridge free PFC, full resonance and othertechnologies,developing and producing vector SVPWM full digital variable frequency drive power supply (power 1KW-50KW).The company will continue to increase investment in research and development,actively expand the field of high-voltage power supply industry, always implement the product tenet of "high quality,high stability ",and aspire to become the core enterprise of intelligent digital high-voltage variable frequency power supply.

Corporate Image

企业形象



Digital inverter solution for commercial microwave oven

商用微波数字逆变解决方案





MEETPOWER

工业微波设备因其操作环境及模式的差异比较大，对电源本身的要求非常高。我们微波电源产品已应用在食品、医药、木材、化工产品、茶叶、制药、陶瓷、UV废气环保，纸类等行业所需干燥、杀菌、反应、烧结、提取，加热等作用。

Industrial microwave equipment has great differences in its operating environment and modes, and its requirements for the power supply itself are very high. Our microwave power products have been used in food, medicine, wood, chemical products, tea, pharmaceuticals, ceramics, UV waste gas environmental protection, paper and other industries need drying, sterilization, reaction, sintering, extraction, heating and other effects.



中国工业微波驱动领航者

MEP-1250W

全数字化高压变频电源方案
High Voltage Digital power inverter solution

Features / 特征

- 节能最大节电22%，
- 高可靠性设计，内部多重保护，防尘防腐
- 176伏到264伏输入电压输出功率范围内连续可调250瓦到1500瓦，
- 支持 model bus485通讯内部诊断，故障上传功能。
- CQC CE认证
- Energy-efficient ,save electricity by 22% maximally
- High reliability design ,multiple internal protection
- 176v-264v input voltage ,continuously adjustable 250w-1500w in output power range
- Support modbus 485 communication ,internal diagnosis,fault upload function
- CQC CE certification



参数/Parameters

输入/INPUT

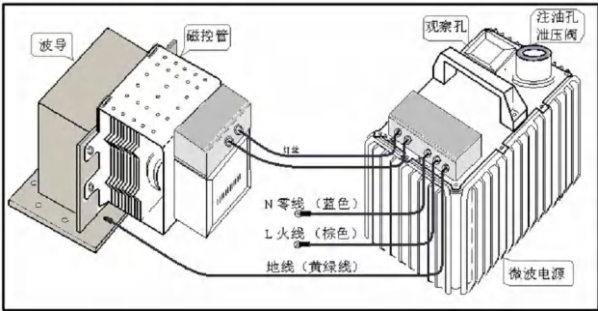
输入电压	Input Voltage	175-264VAC
输入电流	Input current	10A Max
频率范围	Frequency	47-63HZ
功率因数	Power factor	> 0.95
泄漏电流	Leakage current	< 250uA

保护/ Protection

输入过流保护	Over current	Y
过压保护	Over voltage	Y
输入过温保护	Over temperature	Y
高压跳火保护	Arcing protection	Y
尺寸	Size	190*117*140mm
重量	Weight	700g

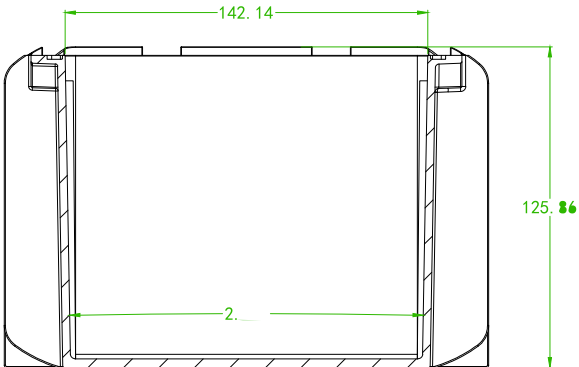
输出/OUT PUT

额定输出功率	Rated output power	1000w
额定阳极高压	Rated anode high voltage	4200vdc
额定输出电流	Rated anode current	0.35A
灯丝电压	Filament voltage	3.3V
灯丝电流	Filament current	10A
启动时间	Start-up time	< 5S



操作/存储环境/Operating /storage environment

操作温度	Operating temperature	-20~50°
冷却类型	Type of cooling	Air cooling
存储温度	Storage temperature	-30~+85°
相关湿度	Related humidity	5-95%
海拔高度	Altitude	3000m
重量	Weight	3.35kg



MEP-1000W

全数字化高压变频电源方案
High Voltage Digital power inverter solution

Features / 特征

- 内置高可靠性设计，防尘防腐
- 176伏到264伏输入电压，输出功率范围内连续可调250瓦到1500瓦，
- 内置故障自检，故障上传功能
- 支持多模式控制，支持0-5V模拟量与485通讯数字量电位器可调3种调功率模式
- High reliability design ,multiple internal protection
- 176v-264v input voltage ,continuously adjustable 250w-1500w in output power range
- Support multi-mode control, support 0-5V analog quantity and 485 communication digital quantity potentiometer adjustable three power adjustment modes



参数/Parameters

输入/INPUT

输入电压	Input Voltage	200-240VAC
输入电流	Input current	10A Max
频率范围	Frequency	47-63HZ
泄漏电流	Leakage current	< 250uA

保护/Protection

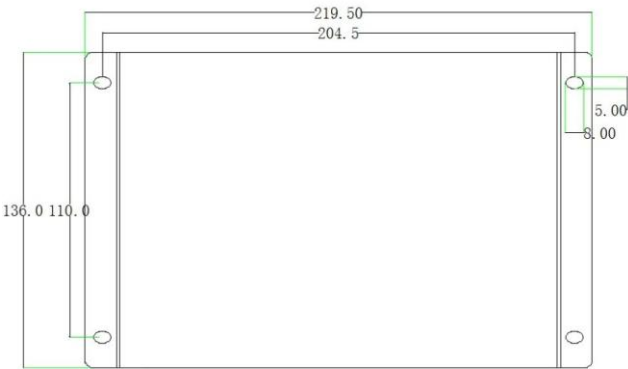
输入过流保护	Overcurrent	Y
过压保护	Over voltage	Y
输入过温保护	Over temperature	Y
高压跳火保护	Arcing protection	Y
尺寸	Size	204.5*110*91mm

输出/OUT PUT

额定阳极高压	Rated anode high voltage	4200vdc
额定输出电流	Rated anode current	0.35A
灯丝电压	Filament voltage	3.3V
灯丝电流	Filament current	10A

操作/存储环境/Operating /storage environment

操作温度	Operating temperature	-10+40°
冷却类型	Type of cooling	Air cooling
存储温度	Storage temperature	-40~+85°
相关湿度	Related humidity	5-95%
海拔高度	Altitude	3000m
重量	Weight	1.31kg



MEP-4KW

全数字化高压变频电源方案
High Voltage Digital power inverter solution

Features / 特征

- 专利防尘与寿命设计
 - 内置多保护的高可靠性设计
 - 宽电压范围250-3800W连续可调
 - 内置故障检测 故障上传功能
 - 支持多模式控制
-
- Patent dustproof and life design
 - High reliability design with built-in multiple protection
 - Wide voltage range 250-3800W, continuously adjustable
 - Built in fault detection fault upload function
 - Support multi-mode control



参数/Parameters

输入/INPUT

输入电压	Input Voltage	176-264VAC
输入电流	Input current	22A Max
频率范围	Frequency	47-63HZ
泄漏电流	Leakage current	< 250uA

保护/ Protection

输入过流保护	Over current	Y
过压保护	Over voltage	Y
输入过温保护	Over temperature	Y
高压跳火保护	Arcing protection	Y

输出/OUT PUT

额定阳极高压	Rated anode high voltage	5100vdc
额定输出电流	Rated anode current	900MA
灯丝电压	Filament voltage	3.0-4.6V
灯丝电流	Filament current	10-19.5A
启动时间	Start-up time	<60S

操作/存储环境/Operating /storage environment

操作温度	Operating temperature	-10+40°
冷却类型	Type of cooling	Air cooling
存储温度	Storage temperature	-40~+85°
相关湿度	Related humidity	5-95%
海拔高度	Altitude	-60~3000m
重量	Weight	8.5kg

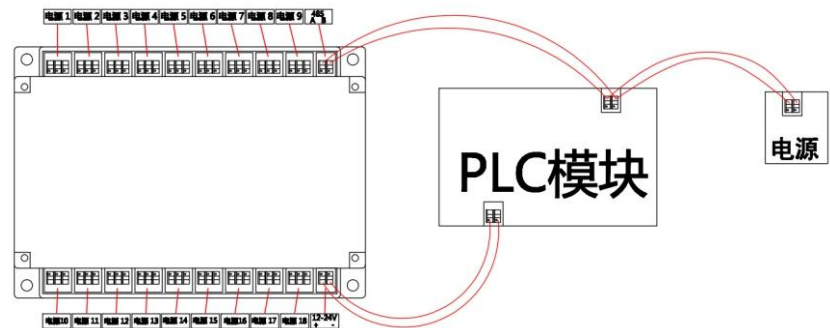


MKP-102

全数字化高压变频电源方案
High Voltage Digital power inverter solution

Features / 特征

- 输入电压范围 input voltage: 175Vac—264Vac
- 通讯接口Communicationinterface:RS485
- 通讯协议CommunicationProtocol:Modbus-RTU
- LED状态显示 LED status display
- 尺寸Size: 145*90*40MM
- 576台微波电源单独控制 Microwave power supply 576 separateltely controlled
- 全数字通信抗干扰 Full digital communication ,strong anti-interference ability



MEP-188系列

全数字化高压变频电源方案
High Voltage Digital power inverter solution

Features / 特征

- 集成风冷水冷一体化小型设计
- 三种磁控管保护模式可选, 100-2000W可调
- Integrated small design of air and cold water cooling
- Three magnetron protection modes are optional, 100-2000W adjustable

参数/Parameters

输入/INPUT		
输入电压	InputVoltage	175-264VAC
输入电流	Inputcurrent	10A Max
频率范围	Frequency	47-63HZ
功率因数	Power factor	> 0.95
泄漏电流	Leakagecurrent	< 250uA
重量	Weight	1.5kg
尺寸	Size	195*120*90mm



视麦暖通空调 与制冷行业驱动与控制解决方案

SHIMAI HVAC/R Driver And Control Solution

视麦热泵暖风机系列产品的控制系统解决方案，通过技术创新和优化控制系统，结合先进的驱动技术，以求提高能源效率和产品的可靠性，我们的产品旨在带来节能以及减少系统对环境的影响。

SHIMAI driver&control solution for air-source heat pump,the control system through technological innovation,combined with advanced technology driven,in order to improve energy efficiency and reliability of the products, our products are designed to bring energy saving and reduce the impact on the environment.

致力于提供创新制冷解决方案的视麦冷冻冷链控制技术，积极研发应用于冷链各个环节的先进技术，解决优化生产、运输、冷藏到销售等所有环节的系统配置问题，共同帮助减少产品寿命周期成本，帮助客户实现降低成本，提高效率和环保的目标。

Shimai driver&control solution for cold chain&refrigeration,and actively develop advanced technology applied to all aspects of the cold chain,system configuration problem solving all aspects of production,transportation and storage to optimize sales,to help reduce the product life cycle cost,to help customers achieve lower costs,improve efficiency and environmental protection the target.

节能减排俨然已经成为当今世界的主题，视麦商用系列产品的控制系统解决方案，针对客户对商业空调环境舒适、经济、便捷管理，特殊性的新要求，以高性价比的控制系统方案，大大降低设备宕机时间、延长机组使用寿命，同时保证了用户对空调舒适度的需求。

Energy conservation and emission reduction has become the theme of the world today. The control system solutions of the commercial series products of Shimai have greatly reduced equipment downtime, extended the service life of the unit, and guaranteed users' demand for air conditioning comfort with cost-effective control system solutions to meet customers' new requirements for comfortable, economical, convenient management and particularity of the commercial air conditioning environment.

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热泵 / 暖风机系列产品 控制解决方案

Driver & Control Solution For
Air-Source Heat Pump



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冷冻冷链控制系列产品 解决方案

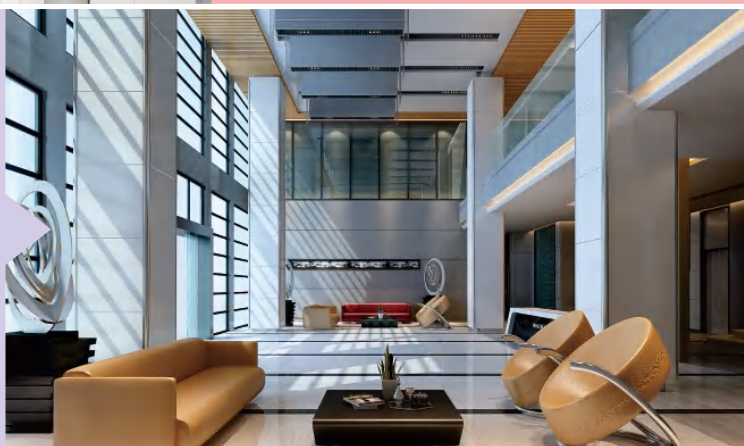
Driver & Control Solution For
Cold Chain & Refrigeration



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特种空调控制系列产品 解决方案

Driver & Control Solution For
Solar & Other Special Application



03

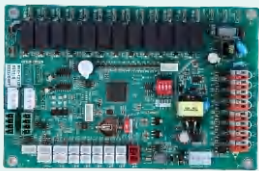
泳池控制解决方案 Pool Control Solutions



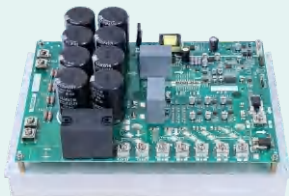
全数字化高压变频电源方案
High Voltage Digital power inverter solution

产品系列/

- 采暖机控制器
Air-Source Heat Rump Controller
- 热水机控制器
Heat Rump Water Heater Controller
- 烘干机控制器
Heat Rump Dryer Controller
- 暖风机控制器
Air Cooled Heat Pump Controller
- 泳池机控制器
Heat Rump Water Heater Controller
- 特种机控制器
Special Heat Pump Controller



MKP1212D控制器



MHP45P



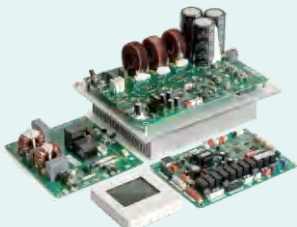
MHP1000



滤波板SA.MEPEMC.1



MHP25P



MHP5-8P



MHP20P 247PLUS



MHP2-3P

驱动算法概况

空间矢量SVPWM

位置精确估算

弱磁控制

自适应高效率启动

转矩补偿

快速匹配不同压缩机 压缩机预热技术

交错有源PFC 二相PWM调制

最大转矩电流比控制

死区补偿 谐波注入

1HZ变频控制

高效率APFC

全面异常保护

兼容直流风机

超低待机功耗

宽输入电压范围

产品型号	对应功率数	配合部件	输入电压	IPM模块电流值	最大电功率 输出 风冷	最大电功率 输出 液冷
SA.FNB75GW,1-2PB	2P-3P	自带PFC和滤波板	单相220V	15A（三菱模块或相同）	1300	2400
				20A（三菱模块或相同）	2970	3000
SA.FNB75GW,1-3PB	3P	自带PFC和滤波板	单相220V	35A（三菱模块或相同）	3960	5500
				40A（三菱模块或相同）	4960	6500
MHP5PB	5P	自带PFC	单相220V	50A（三菱模块或相同）	5940	8000
		单独滤波板				
MHP6PB	6P	自带PFC	单相220V	50A（三菱模块或相同）	6600	8000
		单独滤波板				
MHP8PB	8P	自带PFC	单相220V	75A（三菱模块或相同）	7260	9000（依电网容量）
		单独滤波板				
SA..SY10P.1-7PB	7P	单独配滤波板和电抗器	三相380V	35A（三菱模块）	4940	8500
		滤波板				
		电抗器				
SA.SY10P.1-10PB	10P	单独配滤波板和电抗器	三相380V	50A（三菱模块）	9500	12000
		滤波板				
		电抗器				
SA.SY10P.1-12PB	12P	单独配滤波板和电抗器	三相380V	75A（三菱模块）	10000	14500
		滤波板				
		电抗器				
MHP10-12P	7P	单独配滤波板和电抗器	三相380V	40A（PIM2）	4940	10000
		滤波板(可选配保险丝)				
		电抗器（薄膜电容可不配）				
MHP10-12P	10P	单独配滤波板和电抗器	三相380V	50(PIM2)	9500	14500
		滤波板(可选配保险丝)				
		电抗器（薄膜电容可不配）				
MHP10-12P	12P	单独配滤波板和电抗器	三相380V	75A(PIM2)	9900	16000
		滤波板(可选配保险丝)				
		电抗器（薄膜电容可不配）				
MHP25P-15P	15P	单独配滤波板和电抗器	三相380V	100A/75A(英飞凌 PIM3 或相同)	10500	21500
		滤波板(可选配保险丝)				
		电抗器（薄膜电容可不配）				
MHP25P-20P	20P	单独配滤波板和电抗器	三相380V	100A(英飞凌 PIM3 或相同)	14000	21500
		滤波板(可选配保险丝)				
		电抗器（薄膜电容可不配）				
MHP25P-25P	25P	单独配滤波板和电抗器	三相380V	100A(英飞凌 PIM3 或相同)	17500	22700
		滤波板(可选配保险丝)				
		电抗器（薄膜电容可不配）				
MHP45P	30P	单独配滤波板和电抗器	三相380V	150A(英飞凌 PIM3 或相同)	15500	25500
		滤波板(可选配保险丝)				
		电抗器（薄膜电容可不配）				
MHP45P	35P	单独配滤波板和电抗器	三相380V	150A(英飞凌 PIM3 或相同)	18000	29000
		滤波板(可选配保险丝)				
		电抗器（薄膜电容可不配）				
MHP45P	50P	单独配滤波板和电抗器	三相380V	200A(英飞凌 PIM3 或相同)	23500	36250
		滤波板(可选配保险丝)				
		电抗器（薄膜电容可不配）				



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