

**Specifications/规格**

SKC series DC - DC converter adopts unique way of high frequency control to achieve high efficiency、low ripple (< 1%), satisfies the requirement of general DC converter performance.

SKC系列DC-DC转换器采用独特的高频控制方式实现高效率、低纹波 (< 1%), 满足通用DC转换器高性能要求。

Model 型号	SKC-12V-24V-60A	SKC-12V-242V-70A	SKC-12V-48V-30A	SKC-24V-48V-30A
Input rated voltage 额定输入电压	12V DC	12V DC	12V DC	24V DC
Input voltage range 输入电压范围	8-16V DC	8-16V DC	8-16V DC	18-35V DC
Efficiency 转换效率	97% (half load) 96% (full load)	97% (half load) 96% (full load)	97% (half load) 96% (full load)	97% (half load) 96% (full load)
Output voltage 输出电压	24V DC	24V DC	48V DC	48V DC
Output current 输出电流	60 Amps	70 Amps	30 Amps	30 Amps
Output rated power 输出额定功率	1440Watts	1680 Watts	1440Watts	1440 Watts
Output peak power 输出峰值功率	130%			
Voltage regulation 电压调整率	< 1%			
Load regulation 负载调整率	< 2%			
Ripple (full load test) 纹波 (满载测试)	< 150mV	< 150mV	< 160mV	< 160mV
No-load current 空载电流	< 30mA	< 30mA	< 40mA	< 40mA
Working Temperature 工作温度	-40°C ~ +80°C			
Waterproof rating 防水等级	IP 68			
Protections 保护	Over-load, Over-temperature, Short-circuit, Over-voltage			
Machine size 产品尺寸	300*127*63mm			
Package size 包装尺寸	410*210*120mm			
N. Weight 产品净重	3.20kg	3.40kg	3.30kg	3.30kg
W. Weight 产品毛重	3.80kg	3.90kg	3.80kg	3.80kg
Cooling way 散热方式	Free air convection			
Certifications 认证	CE, RoHS			
Other 其他	White box packing			

**INTRODUCTION 简介**

SK series inverter with a unique control method to achieve high efficiency, high-purity (THD<3%), general-purpose inverter to meet the demand for high performance.

SK系列逆变器采用独特的控制方式实现高效率、高纯 (THD < 3%) , 通用变频器满足高性能要求。

SK series inverter is a common customer needs and customer demand for personalized, industry demand for organic integration of the product.

SK系列逆变器是一种常见的客户需求和客户个性化需求, 是行业需求有机融合的产品。

SK series PWM control techniques and by optimizing the overall design of electromagnetic compatibility, to meet the user places on the application of low noise, low electromagnetic interference requirements of environmental protection.

SK系列通过PWM控制技术, 优化电磁兼容性的整体设计, 以满足用户对低噪声、低电磁干扰的环境保护要求。

**Applications 应用**

- Power tools: saws, drills, grinders, sand blasters, punching device, lawn mower, air compressor and so on.  
电源工具: 锯、钻、磨、喷砂机、打孔机、草坪机、空气压缩机等。
- Office equipment: computers, printers, monitors, copiers, scanners and so on.  
办公设备: 电脑、打印机、显示器、复印机、扫描仪等。
- Household application: vacuum cleaners, fans, fluorescent and incandescent lamps, electric cut knife, sewing machines and so on.  
家用应用: 吸尘器, 风扇, 荧光灯和白炽灯, 电动切割刀, 缝纫机等。
- Kitchen utensils: microwave, refrigerator, freezer, coffee machine, blender, ice maker, oven and so on.  
厨房用具: 微波炉、冰箱、冰柜、咖啡机、搅拌机、制冰机、烤箱等。
- Industrial equipment: metal halide lamps, high pressure sodium lamp, ship, vehicle, solar energy, wind power turbine, etc.  
工业设备: 金属卤化物灯、高压钠灯、船舶、车辆、太阳能、风力发电机组等。
- Electronics: TV, VCR, game consoles, radios, power amplifiers, music equipment, monitoring equipment, terminal equipment, servers, intelligence platform, satellite communications equipment and so on.  
电子产品: 电视、录像机、游戏机、收音机、功放、音乐设备、监控设备、终端设备、服务器、智能平台、卫星通讯设备等。

