



POWER SUPPLY 雅睿普电子



# 产品规格承认书

## SPECIFICATION FOR APPROVAL

供应商:

SUPPLIER: 广州市雅睿普电子有限公司

电话:

TEL: (020) 85559690 85559620

传真:

FAX: (020) 85521130

地址: 广州市番禺区兴业大道南村镇江南工业  
一区二横路 13 号

ADDRESS: No.13,2rd transverse street,1st Jiangnan  
industry park,Xingye road,Nancun town,  
Panyu district,Guangzhou city,China.

客户名称:

CUSTOMER: \_\_\_\_\_

产品名称:

PRODUCT NAME: POWER SUPPLY

规格型号:

MODEL DETAIL: BOS-U50S24

供方签章:

SUPPLIER:

需方签章:

CUSTOMER:

日期:

DATE:

日期:

DATE:

说明 explain:

备注: 承认签章后请回复一份承认书(或复印件)给我司, 其余由贵司留作存盘。如果在签章的承认书(或复印件)回复我司之前, 下了有关此零件的订单且又无特别说明, 那么我司就确定贵司已完全承认了。

**Please return one specification or one copy of it with your chop and signature of approval and retain the others for your record. In the event of an order being placed for this part number before the chop and signed with specification (or copy) is returned and without special explanation, it will be assumed that full approval have been given.**

## MODEL: BOS-U50S24

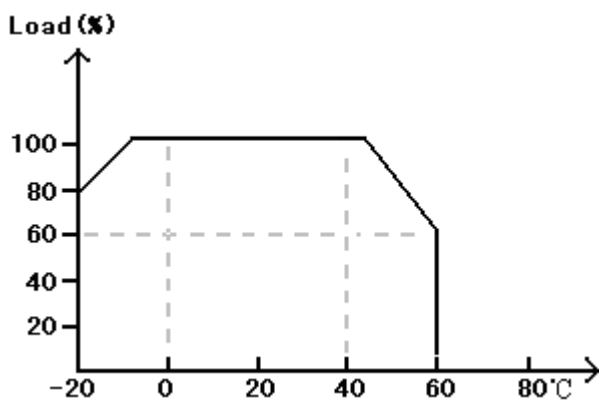
### Features:

- Universal AC input / Full range
- small size
- Cooling by free air convection
- Protections: SCP / OCP/ OVP
- High efficiency, high reliability
- 100% full load burn-in test
- 1 year warranty

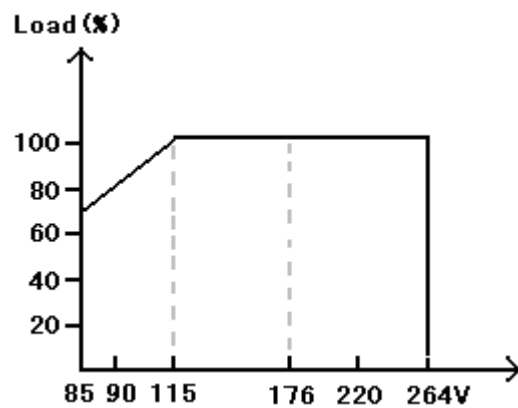


Net weight: 285 g

Temperature- load curve



Input voltage- load curve





## SPECIFICATION:

输入 INPUT	电压 (VOLTAGE)	100VAC~240VAC			
	启动电压 (START VOLTAGE)	90VAC			
	频率 (FREQUENCY)	47~63Hz			
	最大输入电流 (I <sub>max</sub> )	1.1A			
	启动冲击电流 (INRUSH CURRENT)	<30A@230VACIN (COLD START) I=100%			
	功率因数 (POWER FACTOR)	>0.5			
输出 OUTPUT	电压 (V) (OUT VOLTAGE)	CH1	CH2	CH3	CH4
		24V		—	—
	电流 (A) (CURRENT)	2.0A			
	电压调整率(%) (LINE REGULATION)	0.04%			
	电流调整率(%) (LOAD REGULATION)	0.5%			
	纹波(0~20MHz) (RIPPLE P-P)	150mV			
	输出功率 (OUT POWER)	48W			
	效率 (EFFICIENCY)	91%			
	电压调整范围 (VOLTAGE ADJ)	21V~27.5V			
	启动时间 (START TIME)	500mS	I=100%		
保持时间 (HOLD TIME)	20mS	I=100%			
保护功能 PROTECTION	过流保护 (O.C.P)	>400%			
	过压保护 (O.V.P)	>130%			
	欠压保护 (L.V.P)	/			
	短路保护 (SHORT)	Hiccup Auto Recovery			
绝缘强度 ISOLATION	输入——输出 (INPUT-OUTPUT)	1.8KVAC/min			
	输入——地 (INPUT-FG)	1.8KVAC/min			
	输出——地 (OUTPUT-FG)	0.5KVAC/min			
绝缘阻抗 ISO RESISTANCE	输入——输出 (INPUT-OUTPUT)	≥50MΩ /500VDC			
	输入——地 (INPUT-FG)	≥50MΩ /500VDC			
	输出——地 (OUTPUT-FG)	≥50MΩ /500VDC			
漏电流 (LEAKAGECURRENT)	<0.5mA@230VAC				
接地电阻	/				
安全标准 (SAFETY)	EN60950 GB4943 UL60950				
谐波	GB17625.1 CLASS D				
电磁兼容 EMC	电磁干扰 (EMI)	传导干扰 (EMI)	FCC.PART15.CLASS B EN55022 CLASS B		
		辐射干扰 (EMI)	FCC.PART15.CLASS B EN55022 CLASS B		
	电磁抗扰 (EMS)	快速脉冲群 (EFT)	GB/T 17626.4 LEVEL3 EN61000-4-4 LEVEL3		
		雷击 (SURGE)	GB/T 17626.5 LEVEL3 EN61000-4-5 LEVEL3		
环境 ENVIRONMENT	工作环境 (WORKING TEMP)	0~45°C 100%LOAD >45°C 60%LOAD			
	储存温度 (STORE TEMP)	-20°C~85°C			
电源温升 TEMP RISE	满载输出、温升低于多少	<K80			
结构尺寸 SIZE	长×宽×高 (L*W*H)	138mm*78mm*40mm			

# EMC DATA:

## 1、 EMI

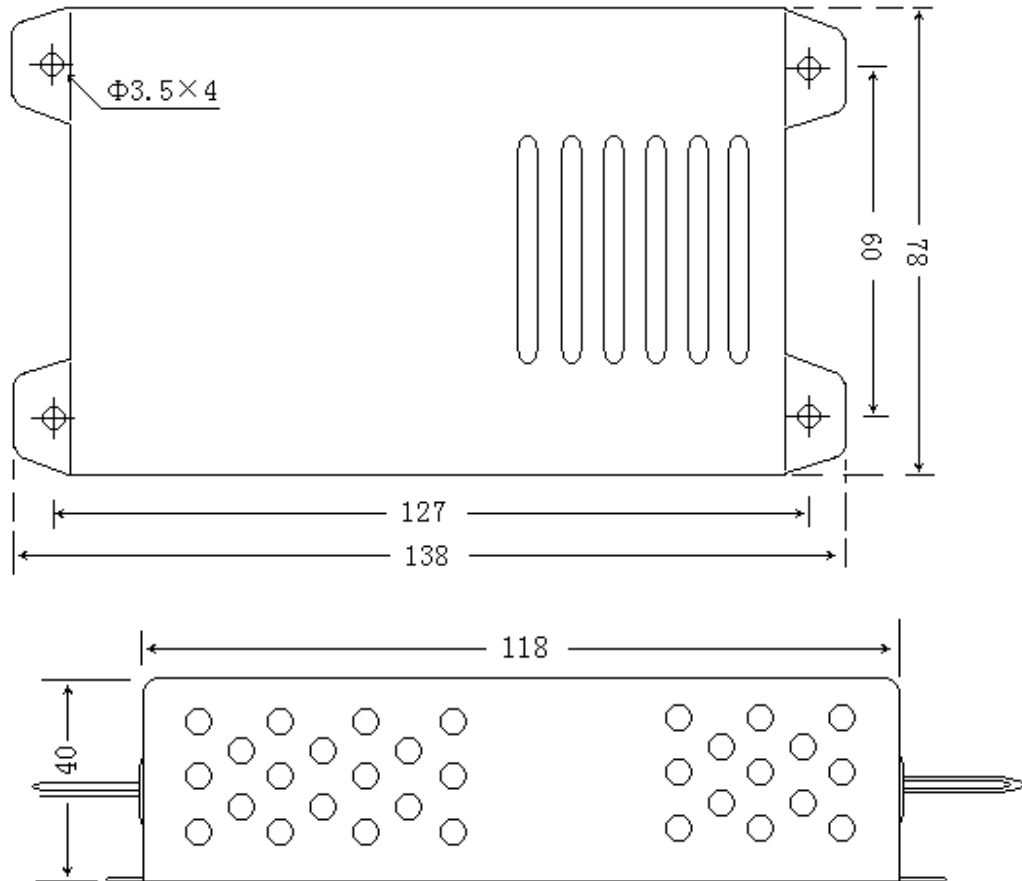
RE/CE	EN55022 CLASS A
Harmonics Current	EN61000-3-2

## 2、 EMS

ESD	EN61000-4-2	Air:8KV Contact:4KV	Criteria A
RS	EN61000-4-3	80MHz~1GHz 3V/m	Criteria A
EFT	EN61000-4-4	5KHz AC=1KV	Criteria A
Surge Test	EN61000-4-5	1.2/50us AC:±2KV 8/50us	Criteria A
CS	EN61000-4-6	0.15MHz-80MHz 3V/m	Criteria A
Voltage dips	EN61000-4-8	30% 10ms 60% 100ms >95% 5000ms	Criteria A
Power Frequency Magnetic Field	EN61000-4-11	50Hz 30A/m	Criteria A
RF Electromagnetic Field pulse modulated	ENV50204	900±5MHz 200Hz 3V/m, 50%Duty cycle	Criteria A

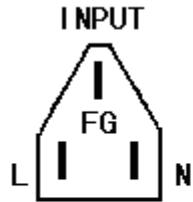
## build in dimension

unit: mm



# MODEL: BOS-U50S24

## Connector define



国标输入线 连开关  
长度2.2m

## OUTPUT

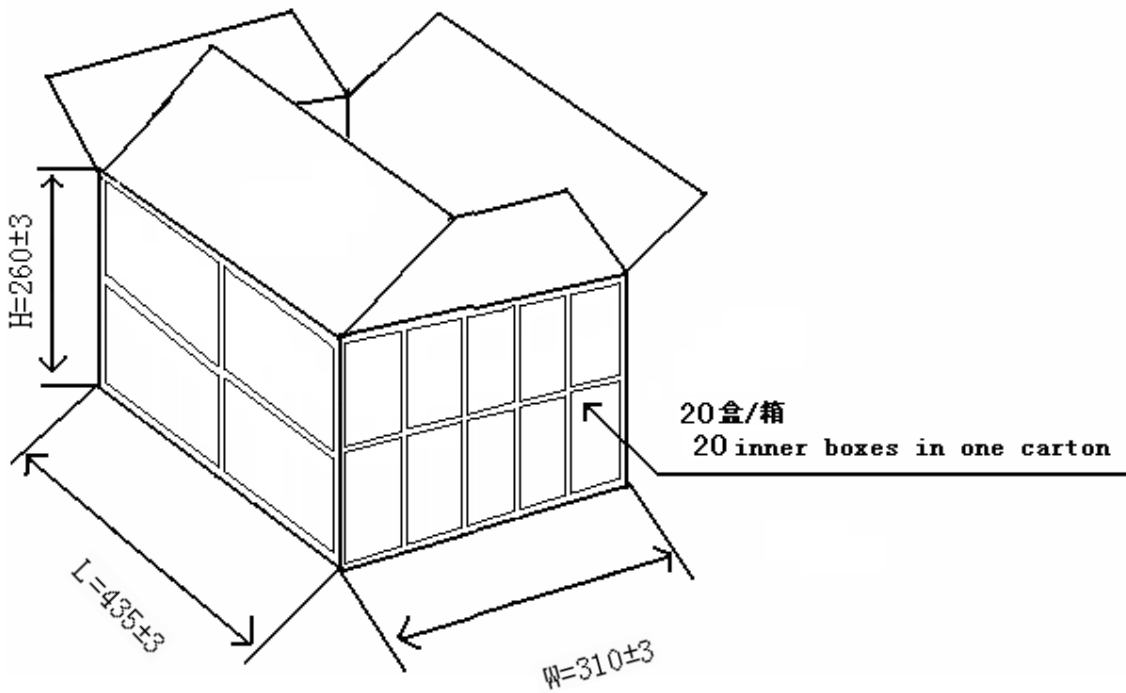
3.96-4P  
G+24V NC G



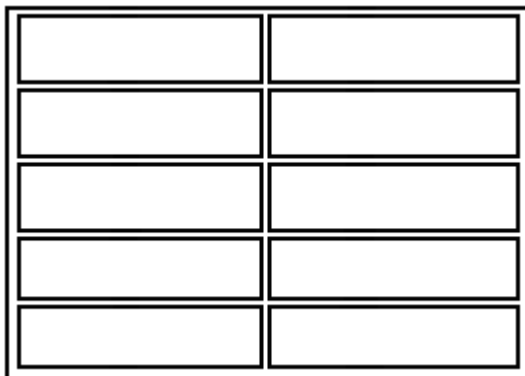
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输出线长55cm

## Packing unit: mm



## Inner Box plane



## solid

