



SM-U1000S 系列概述



一. 电源规格:

电源型号 (MODEL)	输入 (VAC)	输出 (VDC)	保护功能 (PROTECTION)	尺寸 (SIZE) MM
SM-U1000S12-B	100~240VAC	12V/80A	SCP/OCP/OVP/OTP	225MM*115MM*40.5MM
SM-U1000S24-B	100~240VAC	24V/42A	SCP/OCP/OVP/OTP	225MM*115MM*40.5MM
SM-U1000S28-B	100~240VAC	28V/36A	SCP/OCP/OVP/OTP	225MM*115MM*40.5MM
SM-U1000S36-B	100~240VAC	36V/28A	SCP/OCP/OVP/OTP	225MM*115MM*40.5MM
SM-U1000S48-B	100~240VAC	48V/21A	SCP/OCP/OVP/OTP	225MM*115MM*40.5MM

二. 系列特征:

Features:

- ◆ Universal AC input / Full range:90-264VAC
- ◆ U shell, altitude≤41MM
- ◆ High peak power design withstanding 150% impact load
- ◆ Built-in PFC Power Factor conversion Circuit: >0.97@230VAC; >0.99@115VA
- ◆ Soft switching technology, efficiency ≥ 94%
- ◆ Protections: SCP /OCP/ OVP/ OTP Forced air cooling by built-in DC fan
- ◆ Programmable voltage, PV port 1-5V programmable output: 50-110%
- ◆ Remote control switch function
- ◆ Remote telemetering, load terminal voltage compensation
- ◆ Load and temperature control fan to ensure reliability of power supply
- ◆ Bandhopping technology, in line with energy star standards
- ◆ Application of synchronous rectifier technology in all series of models
- ◆ All using 105°C long life electrolytic capacitors , -25 °C ~ 60 °C working environment
- ◆ 3 years warranty (MTBF≥20,000Hr)

三. 产品外观



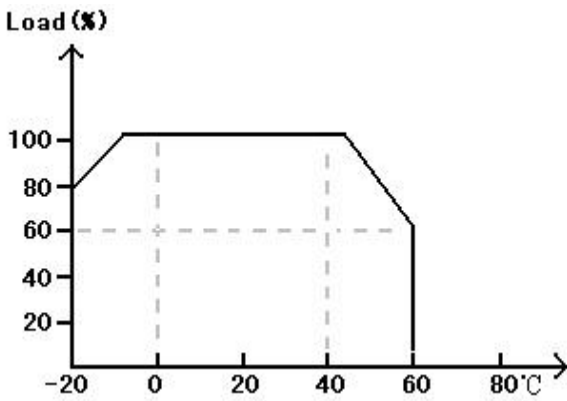
(Note: photos are for reference only)

net weight (重量) : 1248g/PCS

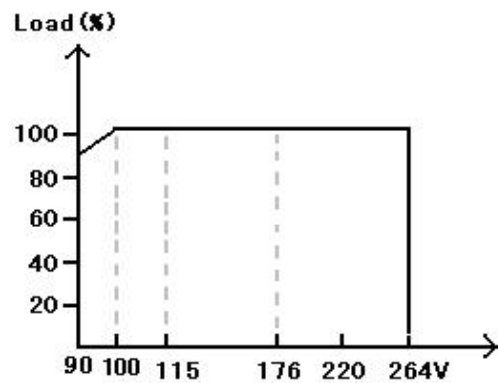
Connector: Input:9.5MM-3P pitch terminal block
Output:KXB-018 (M5) (环保) Metal terminal block

四. 工作温度、输出功率曲线以及负载曲线图:

◆ 温度-负荷曲线

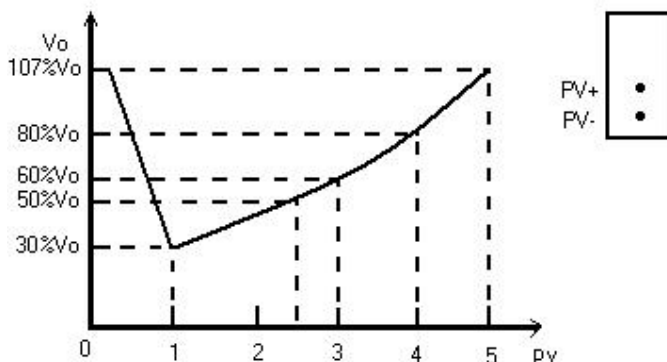


电压-负荷曲线



◆ 可编程输出示意图 (PV 远程调整)

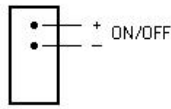
PV 电压: 1-5V
输出电压: V_o 50%~110%



*实际输出有抛物线特性
*确保 PV 信号足够平滑

◆ 程序开关机 (ON/OFF)

ON/OFF +/-之间 3.3V-5V 输出关
0V-1V 输出开

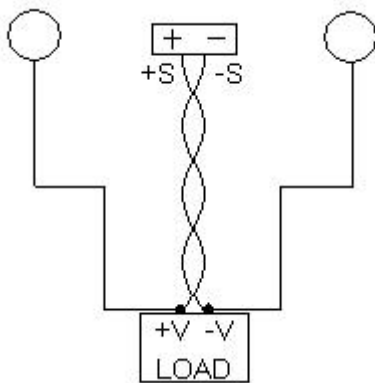


高电压时关闭电源

- *确保信号具有脉冲特性, TTL 信号
- *端口“+/-”请勿与电源Vo相连
- *确保信号与主控电路隔离

◆ 遥测+S -S

*遥感对负载最大补偿 10%-20%



*确保+S -S 接线正确

五. 测试标准:

EMC DATA:

1、 EMI

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

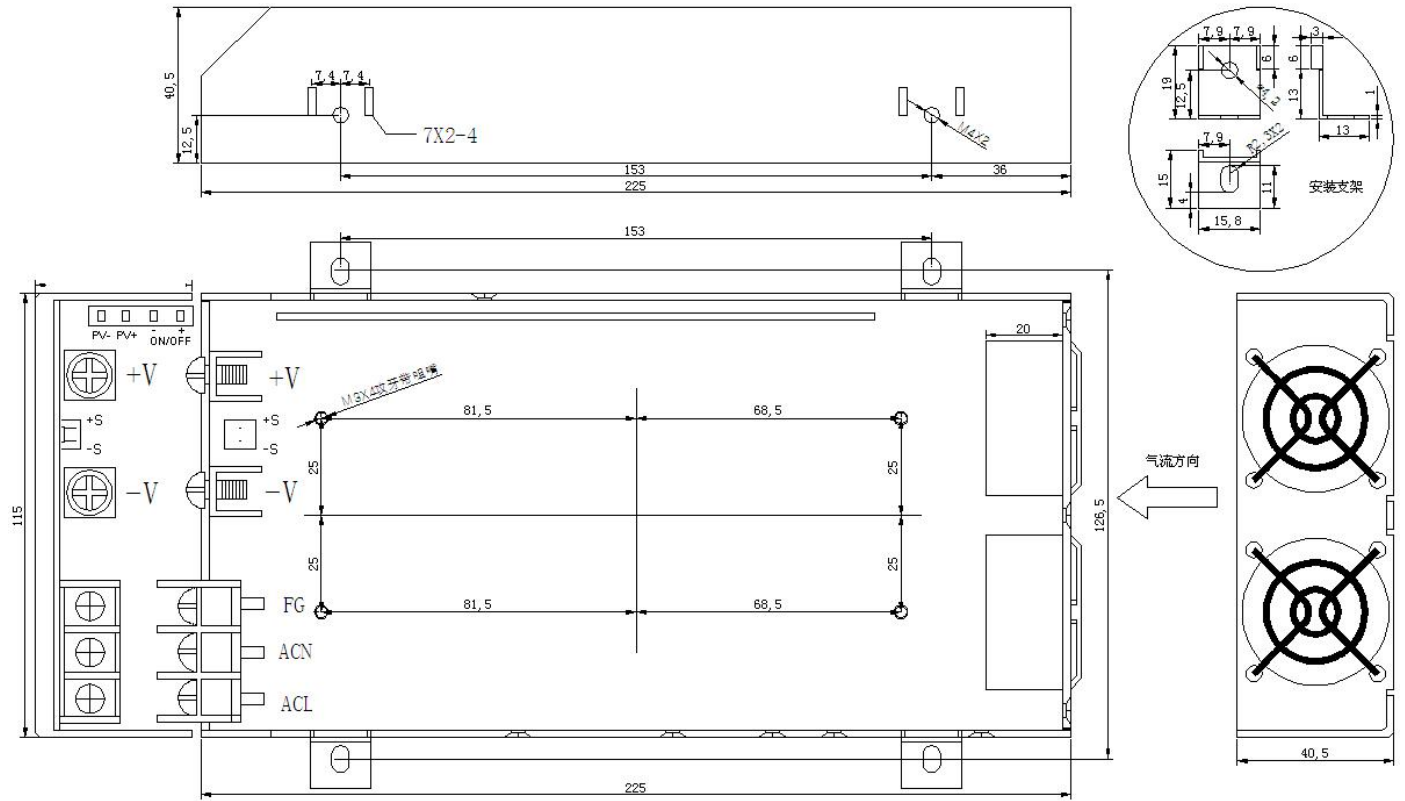
2、 EMS

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

六. 安装尺寸

build in dimension




unit: mm



七. 标签:

MODEL: SM-U1000S24-B

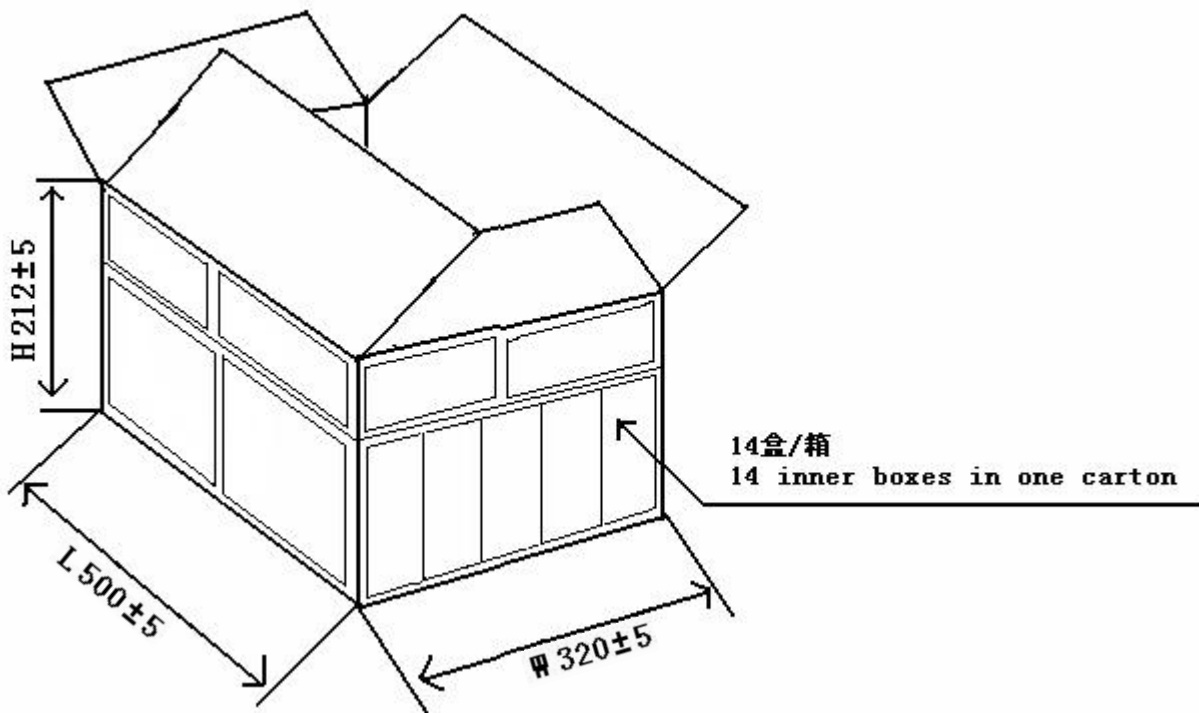
Connection

OFF+	MODEL:	AC INPUT: 100-240VAC	 
ON-	SM-U1000S24	I max 13.5A 50/60Hz	
PV+		DC OUTPUT: +24V=42A	
PV-			
+V	+S -S	-V	
			N (AC) L

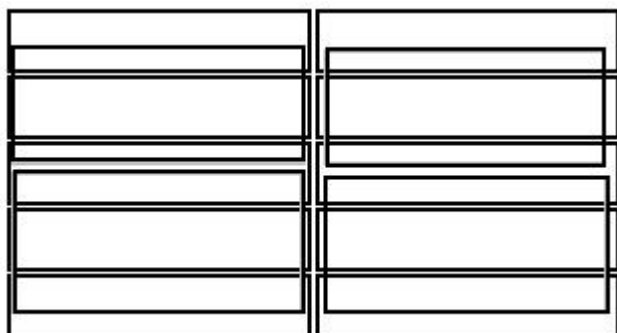
(105*22)

八. 包装:

Packing unit: mm



Inner Box plane



solid

