PSC–100W单输出开关电源带电池充电功能（UPS）

PSC–100W Series Single–Output Switching Power Supply with Battery Charging Function (UPS)

Summary

> 国际标准交流输入电压范围。
International Standard AC Input Voltage Range.
> 体积小、重量轻、效率高。
Compact size,lightweight,and high efficiency.
> 保护功能：短路/过载。
Protection features:short circuit / overload.
> 电池电压低保护。
Low battery voltage protection.
> 配备通电/充电/电源显示器（发光二极管）。
Equipped with power–on/charging/mainsdisplay(light–emittingdiode).
> 满载老化试验。
100%full–loadburn–intest.100%
> 打开LED指示灯。
Power–onLED indicator light.



129 × 97 × 30mm

General Specification

型号 Model	PSC–100–12		PSC–100–24	
直流输出电压 DCOutputVoltage	CH1:13.8V	CH2:13.8V	CH1:27.6V	CH2:27.6V
输出电压容差 OutputVoltageTolerance	± 1%	–––––	± 1%	–––––
额定输出电流 RatedOutputCurrent	5.0A	2A(charge)	2.5A	1A(charge)
输出电流范围 OutputCurrentRange	0~7A	–––––	0~3.5A	–––––
输出功率 OutputPower	100W		100W	
纹波和噪声 RippleandNoise	150mVp–p	–––––	200mVp–p	–––––
直流电压可调范围 AdjustableRangeofDCVoltage	CH1:11.3~14.9V		CH1:21.3~29.8V	
启动、上升和保持时间 Start–up,Rise,andHoldTime	600ms,50ms,80ms/230VAC.1200ms.50ms.16ms/115VAC.			
输入电压范围 InputVoltageRange	90~264VAC or 135~370VDC			
交流输入电流 ACInputCurrent	2.4A/115VAC 1.2A/230VAC			
效率 Efficiency	87%		89%	
冲击电流 InrushCurrent	冷启动电流 Cold Start Current 30A/115VAC 50A/230VAC			
漏电流 LeakageCurrent	<1mA/240VAC			
过载保护 OverloadProtection	过载保护将在105%至115%的额定输出功率下启动。 Overload protection will be activated at105% to 115% of the rated output power.			
	保护模式：AC充电模式：打嗝模式，系统可以在去除异常负载条件后自动恢复运行。 Protection mode: AC charging mode: Hiccup mode, the system can automatically resume operation after the abnormal load condition is removed.			
低电池电压保护 LowBatteryVoltageProtection	9.5~10.3V		19~20.5V	
	保护模式：输出切断。 Protection mode:Output cut–off.			
UPS功能介绍 IntroductiontoUPSFunction	电池高效长期在线浮充，充满度超过97% Long–term online float charging for batteries with high efficiency,over 97% fullness.			
	满电时自动停止充电，以防止过度充电并延长电池寿命 Automatically stops charging when full to prevent overcharge and extend battery life.			
	在市电和电池之间自动切换，无需延迟，无需手动操作。 Automatic switch between utility power and battery without delay,no manual operation needed.			
	冷启动能力允许UPS在没有市电的情况下直接从电池启动，满足紧急需求。。 Cold start capability allows UPS to start directly from battery in case of no utility power,meeting emergency needs.			
工作温度和湿度 OperatingTemperatureandHumidity	–20℃至~60℃20%~90%RH（请参考负载降额曲线）。 –20℃ to ~60℃;20%~90%RH(Please refer to the load derating curve).			
存储温度和湿度 StorageTemperatureandHumidity	–20℃~+85℃;10%~95%RH不凝结 –20℃~+85℃;10%~95% RH Non–condensing			
抗冲击能力 ShockResistance	10~500Hz，2G 10分钟。/每个周期，每个轴持续60分钟 10~500Hz，2G10min./percycle，duration 60 minutes,on each axis.			
耐压能力 VoltageWithstandingCapability	输入和输出之间：1.5 kVAC输入和接地之间：1.5 kV AC输出和接地间：0.5 kV DC Between input and output:1.5k VAC Between input and ground:1.5k VAC Between output and ground:0.5k VDC.			
绝缘电阻 InsulationResistanc	输入与输出、输入与接地、输出与接地之间：100 MΩ/500 VDC Between input and output,input and ground,output and ground:100MΩ/500VDC			
尺寸 Dimensions	129*97*30mm(L*W*H)			
包装 Packaging	0.42kg/50pcs/21.5kg/0.041m^3			

Overall dimension(mm)

