



上海稳压器厂
SHANGHAI
VOLTAGE REGULATOR PLANT

Stabilized
Power supply Expert
稳定电源专家



UPS不间断电源系列
uninterruptible power supply series

通用塔式UPS (1-20KVA)

General tower UPS (1-20KVA)

产品概述

Product Overview

1-20kVA塔式系列是一款具有强大适应性，配置灵活的在线式UPS产品，采用双转换纯在线式架构，是最能有效解决所有电源问题的架构设计。能解决电网中出现的：市电断电、电压瞬间跌落或是减幅震荡、高压脉冲、浪涌电压、谐波失真、杂波干扰、频率波动等电力问题，为用户负载提供安全可靠地电源保障。采用先进的DSP数字控制技术，有效提升了产品性能和系统可靠性、并实现更高功率密度的集成个小型化。同时为了全方位满足用户的个性化需求，本系列提供了非常丰富的可扩展功能、用户可以根据需要灵活配置。

The 1-20kVA tower series is an online UPS product with strong adaptability and flexible configuration. It adopts a double-conversion pure online architecture, which is the most effective architectural design to solve all power problems. It can resolve power grid issues such as utility outages, voltage dips or oscillations, high-voltage pulses, surge voltages, harmonic distortion, interference, and frequency fluctuations, providing a safe and reliable power supply for user loads. We take advanced DSP digital control technology effectively to improve product performance and system reliability, and achieves higher power density integration and miniaturization. To fully meet user needs, this series offers a rich set of scalable features, allowing for flexible configuration based on individual needs.

应用对象

Applications:

服务器，存储器，网络设备，通讯设备，自动化设备，精密仪器，办公终端，监控、保安系统、重要家电。

Servers, storage, network equipment, communications equipment, automation equipment, precision instruments, office terminals, surveillance, security systems, and important home appliances.

适用行业

Applicable Industries:

电信、金融、政府、医疗、教育、制造、邮政/物流、交通、商业/零售。

Telecommunications, finance, government, healthcare, education, manufacturing, postal services/logistics, transportation, and commerce/retail.

功能特点

Features:

- 1.突破性超紧凑及高功率密度设计，整机体积较同类产品小20%~70%。
Breakthrough ultra-compact and high-power density design, 20% to 70% smaller than similar products.
- 2.双变换在线式设计，确保供电高可靠。
Double-conversion online design ensures highly reliable power supply.
- 3.超宽输入电压/频率范围，适应恶劣电网环境。
Ultra-wide input voltage/frequency range, adaptable to harsh grid environments.
- 4.大屏LCD显示，更为直接、方便地进行设置以获取工作状态。
Large LCD display for more direct and convenient settings and operational status.
- 5.输入电压在165~275V范围内输出不降额，大大降低了转电池的概率，提高了电池寿命。
Output remains constant within the input voltage range of 165-275V, significantly reducing the risk of battery switching and extending battery life.
- 6.超强过载能力：市电额定下，130%可5分钟，150%可10秒，满足客户突加负载的要求。
Superior overload capacity: At rated mains power, 130% can last for 5 minutes and 150% for 10 seconds, meeting customer requirements for sudden load increases.
- 7.1-8A长机充电能力，充电能力可设置，满足长延时电池的快速回充，提高了电池寿命。
1-8A long-duration charging capacity, with adjustable charging capacity, enables rapid recharging of long-duration batteries, extending battery life.
- 8.出色的环保、节能特性，效率高出同等产品3-4个百分点同时可高达91%。
Excellent environmental and energy-saving features, with efficiency 3-4 percentage points higher than comparable products, reaching up to 91%.
- 9.丰富的监控管理选项，提高系统可靠性。
Comprehensive monitoring and management options enhance system reliability.





技术参数

Technical Parameter

型号 / Model	SH1101K(S)	SH1102K(S)	SH1103K(S)	SH1106K(S)	SH1110K(S)	SH3110	SH3115	SH3120
额定容量 (KVA) Rated Capacity(KVA)	1KVA/900W	2KVA/1.8KW	3KVA/2.7KW	6KVA/5.4KW	10KVA/9KW	10KVA/8KW	15KVA/12KW	20KVA/16KW
输入 Input								
输入电压 Rated Voltage	165-275VAC					285-475VAC		
输入频率范围 Input Frequency Rang	47-53HZ或57-63HZ							
输入制式 Input format	L+N+PE					3Ph+N+PE		
输入功因 Input power factor	0.99@额定电压 (100%负载)				0.99@Rated voltage (100% load)			
双市电输入 Dual mains power input	无							
输出 Output								
输出电压 Output Voltage	208/220/230VAC/240V ± 1%							
输出频率 Output Frequency	50/60 ± 0.1HZ (电池模式) 50/60 ± 0.1HZ (Battery Mode)							
输出制式 Output format	L+N+PE							
电压精度 voltage accuracy	± 1%							
转换时间 Switching Time	0ms							
输出谐波失真 Output Harmonic Distortion	线性负载 ≤ 1%, 非线性负载 ≤ 3% linear load ≤ 1%, Non-linear load ≤ 3%				线性负载 ≤ 2%, 非线性负载 ≤ 5% linear load ≤ 2%, Non-linear load ≤ 5%			
过载能力 Overload Capacity	市电模式(Mains power mode): 105-110% 30min, 110-130% 10min 电池模式 (Battery Mode): 105-110% 1min, 110-130% 10sec			市电模式: Mains power mode 105-110% 30min, 110-130% 10min, 电池模式: Battery mode 105-110% 10min, 110-130% 1min.		市电模式(Mains power mode): 105-110% 10min, 110-130% 5min, 电池模式 (Battery Mode): 105-110% 10min, 110-130% 1min.		
直流输入 DC Input								
标准机 Standard machine	内置电池 Built-in battery	12V7AHx2	12V7AHx4	12V7AHx6	12V7AHx12	12V7AHx16	/	
长延机 Long acting machine	直流电压 DC Voltage	36VDC	72VDC	96VDC	192VDC	192VDC	192VDC (16-20节可选) 192VDC (16-20pcs optional)	
尺寸及重量(Dimension and weight) :								
标准机 Standard machine	深*宽*高mm D*W*H	295*145*225	405*145*225	415*192*328	510*205*385	490*190*688	/	
	净重N/W (KG)	7.9	13.7	21.6	39.1	51.8	/	
长延机 Long acting machine	深*宽*高mm D*W*H	295*145*225	405*145*225	405*145*225	415*192*328	415*192*328	592*250*576	
	净重N/W (KG)	3.6	5.5	5.8	8.8	9.6	25.6	31
使用环境 Usage Environment								
运行环境温度 Operating Ambient Temperature	0-40℃							
运行环境湿度 Relative Humidity	0-90% (不结露) 0-90% no condensation							
海拔高度 Altitude	1000m以下无需降容 No need to reduce capacity below 1000m							
噪音 Noise	小于45dB@1Meter <45dB@1Meter							
控制管理 control and management								
显示 Display	LCD屏幕、LED状态指示灯 LCD screen, LED status indicator							
通讯 Communication	可选配网卡、干接点卡、Modbus卡 (预先告知) Optional network card, dry contact card, Modbus card (advance notice)							

注: 1. K为标准机型、内置电池, KS为长延时机型需外接电池

Note: 1. K is a standard model with built-in battery, KS is a long-run model requiring an external battery.

2. 现行产品规格若有变更, 不再另行通知。

2. Current product specifications are subject to change without further notice.



上海稳压器厂
SHANGHAI
VOLTAGE REGULATOR PLANT



地址/Address: 上海市松江区文翔东路58号
No.58 East Wenxiang Road, Songjiang District, Shanghai
电话/Phone: 4001868989 021-64108585
传真/Fax: 021-6454 3587
网址/Website: www.csvrp.com

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