CASTLEUPS

1-3kVA Power Management Expert









Manufactured by:



Crucial moment, Powering your business

Santak UPS provide reliable protection for critical equipment and data

- Higher power density, more power output
- Wider input range, higher efficiency
- Ultra low noise, multiple configurable options
- High quality LCD with wide view

Product Introduction

C1~3K(S) is the leading double conversion topology on-line UPS from Santak It inherits the high quality standard of the previous Castle series generation and provides much stronger performance. It offers ideal solution for the majo power quality problems such as grid power failure, under voltage, over voltage sag, surge, line noise, frequency variation, switching transient, harmonic distortion efficiently, and provides a reliable power protection to the customer

Castle C1-3K(S) product provides high adaptability and flexible configuration, and it is applied with leading DSP control technology and offer multiple and extendable options to meet the increasing customized application demand.

C1-3KVA mainly applied in

• IT and network equipment

Small server or workstation Switches and monitoring system • MOEM and automatic control system

ATM. ticket machine Electricity and railway signal system SCADA system

· Office equipment

computer, printer scanner, POS equipment

Product performance

Safe and reliable

- Best selling UPS and most widely installed on-line UPS, more than 30 years experience, perfectly match in mutiple utility environment
- Professional digital control design technology, strong power semiconductors, Triple protection from hardware and firmware design, safer and more reliable

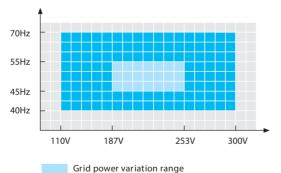
Green power design, energy saving

- Output power factor up to 0.9, providing more power
- High efficiency design, save the operating cost, reduce the carbon ★ comply with generator
- Green and environment protection design, meet all strict standards

Easy use, Easy extension

- Easy battery configuration and can meet different backup time
- Intelligent and real time battery monitoring
- Multiple options, support different applications

★ Wide input voltage and frequency range



C1-3KVA wide input voltage and frequency range





Wide Input voltage range 115-300VAC

Adaptable to Harsh environment Compatible with Generator

Ultra-low noise <40 dB

Backup time

Configurable

Castle C1-3KVA is widely applied in different places

Harsh environment in high altitudes area

Coastal area with high humidity and high temperature

Middle and big cities under power supply shortage pressure

C1-3KVA always provides safe and reliable protection to your equipment



C1-3kVA UPS Product Specification

Model		C1K	C1KS	C2K	C2KS	СЗК	C3KS
Capacity	VA/W	1000VA/900W 2000VA/1800W 3000VA/2700W					
Input	Input Voltage Range	100 ~ 300 VAC					
	Frequency Range	40 Hz - 70 Hz					
	Input Wiring	Single phase with ground					
	input power factor	0.99					
Output	Output Power Factor	0.9					
	Nominal Output Voltage	220/230/240VAC					
	Voltage Regulation	1%					
	Frequency Range (Battery Mode)	50 / 60 ±0.05Hz					
	Outlet	4*IEC 10A	3*IEC 10A	4*IEC 10A	6*IEC 10A	4*IEC 10A + 1*IEC 16A	3*IEC 10A + 1*Terminal Blocker
		or 3*SCHUKO	or 2*SCHKUO	or 4*SCHUKO	or 2*SCHUKO+1*IEC 10A	or 4*SCHUKO	or 2*SCHUKO+1*IEC 16A
		or 4*(SCHUKO/ NEMA)	NA	or 4*(SCHUKO/ NEMA)	NA	or 4*(SCHUKO/ NEMA) + 1*Terminal Blocker	NA
	Current Crest Ratio	3:1					
	Voltage Distortion (THDv)	< 1% @ linear load, < 5%@ non-linear load					
	Output Waveform	Pure sine wave					
	Parallel Operation	N/A					
Efficinecy	Inverter Mode	>89%		>91%		>91%	
	ECO Mode	>97%					
Battery	Battery Type	12V / 9Ah	External batteries required	12V / 9Ah	External batteries required	12V / 9Ah	External batteries required
	Number of Internal Battery	2		4		6	
	Rated Battery Voltage	24V		48V		72V	
	Backup Time (@ FullLoad)	> 3.5 mins	depends on customer configuration	> 3.5 mins	depends on customer configuration	>3.5min	depends on customer configuration
	Recharge Time (t o 90%)	4 hours		4 hours		4 hours	
	Charging Current	1.5A	6A	1.5A	6A	1.5A	6A
Transfer Time	Battery Mode<>InverterMode	0ms					
	Inverter Mode<>BypassMode	4ms (typical)					
Display		load rating / battery capacity / input / output / operating mode					
Dimension	WxHxD	144x228x356mm	102X228X346mm	190x327x399mm	102X327X390mm	190x327x399mm	102X327X390mm
Net Weight		9.2 kg	3.9 kg	17.4 kg	6.4 kg	22.7 kg	6.4 kg
Environment	Operating Temperature	0~40					
	Noise Level ¹	<40dB@1 meter					
Interface	RS232	IEC model: RS232; SCHUKO model and SCHUKO/NEMA adaptable model: USB+EPO, no RS232					
	Communication Slot	Yes, comply optional cards NMC, CMC, AS400 card					

Note:

- 1. Noise level may vary with equipment, configuration, temperature, etc.
- * All internal batteries are default as STK brand, any other battery brand might be applied without prior notice;
- * SCHUKO/NEMA adaptable outlet Model is not conformed with CE Standard;







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