



SANTAK TRUE ONLINE CASTLE SERIES UPS

CASTLE UPS

6 ~ 10kVA

Power Management Expert



AUTHORIZED EXPORTER & MASTER DISTRIBUTOR OF SANTAK UPS PRODUCTS IN VIET NAM

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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

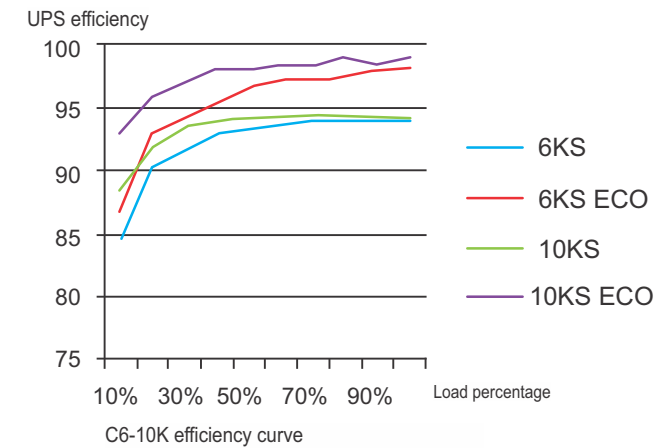
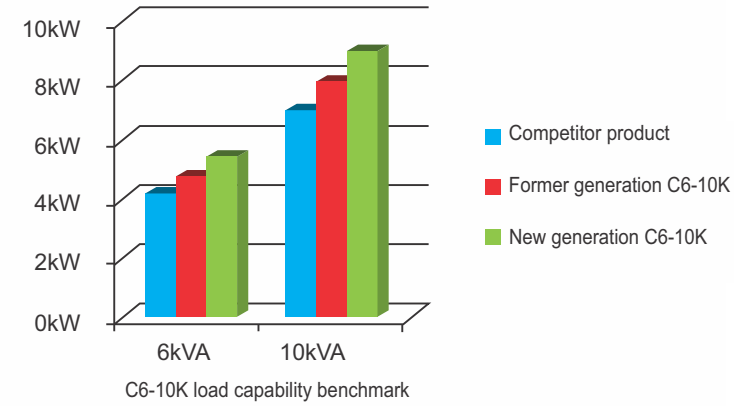


Product Introduction

C6-10K(S) is the leading double conversion topology on-line UPS from Santak. It inherits the high quality standard of the previous Castle series generations, and provides much stronger performance.

It offers ideal solution for the major 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 equipment.

Castle C6-10K(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.



Product performance

Most widely installed, safe and reliable

- Brand new power electronic design and thermal design. Through applying strong power semiconductor and mature DSP control technology, it will provide the uninterrupted power with higher reliability.

High power factor

- Output power factor is increasing from 0.8 to 0.9 based on former generation. Comparing with traditional UPS, it offers 26% more power.
- Innovative thermal design, smaller volume with higher power density.

High efficiency, strong adaptability

- Full load efficiency is up to 94%, and half load efficiency is up to 93.5%, and ECO mode efficiency is up to 98%, saving precious energy resource.
- Wide input voltage and frequency (40Hz-70Hz) range, adaptable to different utility environment, compatible with generators perfectly, providing high quality power protection to your equipment.

Humanized design, Tailor-made for you

- Super low audible noise, UPS noise can go as low as 47dB when working in normal environment, providing a silent working environment for you.

Multiple options: Maintenance bypass switch, EPO, Parallel, communication cards. Support your UPS solution easily with optional configurations.



ECOTEK BATTERIES

Maintenance-free Sealed Lead-acid UPS Batteries

A reference ideal product for SANTAK UPS backup application

Product Introduction

ECOTEK batteries are being designed with more focusing on compatibility with all kinds of UPS. ECOTEK batteries can provide more powerful discharging characteristics and long-life design.

Product Features

- Absorbent Glass Mat (AGM) technology.
- Long life.
- Small size.
- No leakage.
- Low self discharge.
- No water or electrolyte supplement is required.
- Maintenance-free.
- They have been widely used in UPS, and other kinds of back-up power.



Model		C6K-LCD	C6KS-LCD	C10K-LCD	C10KS-LCD
Power rating	VA/W	6000VA/5400W		10000VA/9000W	
Input	Input voltage range	120~275Vac			
	Input frequency range	40 Hz - 70 Hz			
	Input Wiring	Single phase with ground			
	Input power factor	≥ 0.99			
Output	Output voltage	220Vac			
	Output voltage regulation	±1%			
	Output wiring	Single phase with ground			
	Output frequency range	50/60Hz ± 0.2Hz (battery mode)			
	Outlet THDV	<2% (linear load)			
		<4% (non-linear load)			
	Output waveform	Pure sinewave			
Overload capability	1min @105%~125% load 30S @125%~150% load 0.5S @ >150% load				
Efficiency	Line mode	Up to 94%		Up to 94%	
	ECO model	Up to 98%		Up to 98%	
Battery and charger	Battery quantity	15PCS (Internal)	16PCS (External)	16PCS (Internal)	16PCS (External)
	Battery capacity	12V/7AH	depends on customer configuration	12V/9AH	depends on customer configuration
	Backup time	>4min		>4min	
	Recharge current	Standard model 1.2A; Long backup time model 4A;			
Display	LCD+LED	Load rating/battery capacity/input/output/operating mode			
Communication and monitoring	Communication port	RS232 standard offer, USB optional			
	Extendable communication card	Dry Contact Card/USB card, MODBUS card and NMC card are optional			
	Software	Winpower			
Physical parameters	Product dimension (WxDxH)mm	248*500*565	212*500*420	248*500*565	212*500*420
	Product weight (kg)	59	14	62	16
Environment	Operating temperature	0-40°C			
	Audible noise ⁽¹⁾	<50dB@1 meters			
Certifications and standard		IEC 61000, IEC 62040, CE			

C6-10K-011023

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.
- * Backup time is approximate and may vary with equipment, configuration, battery age, temperature.
- * In the interests of continuous product improvement, all specifications are subject to change without notice.

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