

CASTLE 3C3 EX SERIES 20-80kVA

Power Management Expert



CASTLE 3C3 EX SERIES

PRODUCT INTRODUCTION

Castle 3C3 EX series is a three-phase, high frequency double-conversion UPS which is an ideal power protection for small and medium data centers, network management centers, enterprise server applications and industry. Not only does the Castle 3C3 EX UPS provide perfect solution for power source protection, it also solves problems such as blackouts, surges, sags, voltage fluctuations, spikes, harmonic distortion, frequency variations and line noise interference.

► Excellent Performance in Industrial Environments

Castle 3C3 EX offers enhanced dust protection, making it ideally suited for industrial environments. With an IP21 protection grade, the Castle 3C3 EX UPS protects against dust particles larger than 12mm. An optional dust filter is also available for higher level of protection against smaller, damaging particles.

► N+X Parallel Redundancy (supports parallel with sharing the same battery)

Without purchase of optional components, the Castle 3C3 EX UPS is equipped with paralleling of up to 8 UPS systems for power redundancy and/or power expansion to increase reliability and availability. By utilizing advanced battery controls, Castle 3C3 EX supports sharing a common battery bank in parallel configurations.

► Intelligent Battery Charge Management

With its intelligent charging control and battery management system, the charger parameters can be automatically adjusted based on varying environmental conditions, types and amount of the batteries, to provide with the optimized charging mode in order to maximize the battery life and minimize the recharge time. Furthermore, an optional charge unit is also available for reducing recharge time if additional batteries are added providing extended longer battery backup time.

► Dual Mains Input

Dual mains input or dual AC source input is available with Castle 3C3 EX, it is user-selectable according to the installation requirements.

► Communications and Remote Management

Castle 3C3 EX comes with an Intelligent slot, an AS400, an RS232 and RS485 communications ports. Optional WebPower card and EMD are also available for enabling remote monitoring and management of your 3C3 EX UPS.



► Front Access to Operation and Maintenance

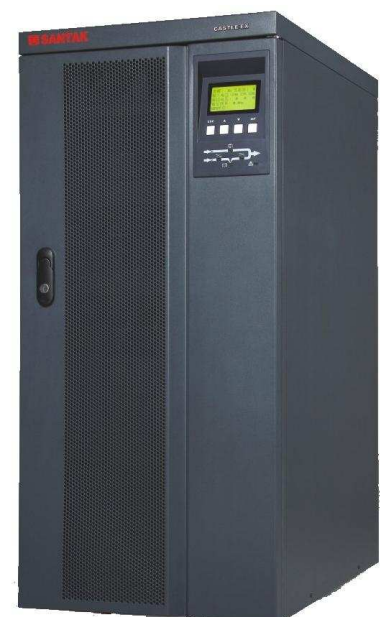
It is easy and convenient access to wiring installation, operations and maintenance services at the front. With its modular design of power components, it is significantly shortening the mean time to repair (MTTR) and improving the serviceability of the system.

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Model		CASTLE 3C3 EX 20KS	CASTLE 3C3 EX 30KS	CASTLE 3C3 EX 40KS	CASTLE 3C3 EX 60KS	CASTLE 3C3 EX 80KS
Power capacity		20kVA / 16kW	30kVA / 24kW	40kVA / 32kW	60kVA / 48IW	80kVA / 64kW
Input	Nominal Voltage	380 VAC (L-L)/220VAC(L-N)				
	Voltage range	210-475 VAC(L-L)/121-275VAC(L-N)				
	Power factor	> 0.99				
	THDI	< 3%				
	Dual mains input	Support				
	Connections	Three-phase four wires + grounding				
Battery	Type	Valve-Regulated Lead Acid (VRLA)				
	Backup Time	Depends on the number of the external batteries				
Output	Voltage	380VAC(L-L)/220VAC(L-N)				
	Voltage regulation	±2%				
	Frequency	50/60 Hz				
	Power factor	0.8				
	Overload capability	125% for 10 minutes; 150% for 1 minute				
	Connections	Three-phase four wires + grounding				
Efficiency	Line mode	93%		94%		
	BAT mode	93%		94%		
	ECO mode	98%				
Display	LCD	UPS status and operation instruction, Input voltage, output voltage, current, frequency, battery voltage, charger voltage and current, fault and warning display				
	LED	UPS operation state				
Warning devices		Buzzer and LED flashing				
Communication Interface		RS232, AS400, RS485, Intelligent slot, EPO, Service and Compensation interface for battery temperature				
Operation environment	Temperature	0-40 ℃				
	Humidity	20% to 90% non-condensing				
Dimension	(WxDxH) mm	420 x 643 x 956	470x710x1150		600x800x1850	
Weight	Net	82	110	114	282	306
	Gross	122	160	164	356	380

Specifications are subject to change without notice

Standard and safety:

EMC: EN62040-2: 2006 GB7260.2
SAFETY: IEC62040-1-1: 2004 GB4943:2001