

CX Series

100 ~ 1200kVA

Modular UPS (100k module)



TM

Introduction

CX 100-1200kVA is the newest generation of centralized bypass three-in-three-out modular UPS. The product adopts digital control, modular design and N+X parallel redundancy technology. The capacity covers all power sections between 100kVA and 1200kVA, which is convenient for users to configure flexibly and gradually invest. It can be 4 parallel to 4800kVA.

Applications

Large and medium centers, server rooms, financial centers, government, enterprise IT rooms, medical education and other mission-critical applications

Features

Advance Technology

- DSP control technology, excellent performance, high stability system
- Three phase Vienna and three-level technology with more than 96% efficiency
- Output power factor 1.0

High Reliability

- Output Centralized control redundancy, N+X parallel redundancy up to 99.999%
- Centralized bypass improves the power supply ability
- With EPO and REPO function

Strong Convenience

- Modular design, adjustable power module quantity

- Hot-swappable module, short maintenance time
- 10 inches color touch screen, providing abundant UPS status

Smart Design

- Charging mode in smooth switching by LCD setting
- Intelligent charging makes fast charging and extends battery life
- Multiple optional parts, such as SNMP, relay, dry contact card, etc

Green Concept

- 3U modular design saves machine room's space
- Parallel shared battery technology reduces battery investment
- Optional 30-50pcs batteries without N line leads flexible configuration



Model	CX 600 - 100	CX 800 - 100	CX 1000 - 100	CX 600 - 1200		
Capacity						
UPS Cabinet	100-600 kVA	100-800 kVA	100-1000 kVA	100-1200 kVA		
UPS module			100 kVA			
Model quantity	6	8	10	12		
Input						
Phase		3 Phase 5 Wires				
Rated Voltage		380/400/415Vac				
Voltage Range		138- 485Vac				
Frequency Range		40Hz-70Hz				
Power Factor		≥0,99				
Current THDi		≤3%(100% linear load); ≤5%(100% non-linear load)				
Bypass input						
Rated Voltage		380/400/415Vac				
Phase		3 Phase 5 Wires				
Bypass Protection Range		±10%				
Power Walking In		Yes				
Bypass back irrigation		Yes				
Generator access		Yes				
Output						
Voltage		380/400/415Vac ± 1%				
Power factor		1		IM		
Frequency	Utility Mode	Bypass Protection (inverter supply)				
	Battery Mode	(50/60 ± 0.05%)Hz				
Wave Form		Pure Sine Wave				
Crest Factor		3: 1				
THO		≤1% (100% linear load); ≤3% (100% nonlinear load)				
Transfer Time (ms)		Utility to Bypass:0ms; Utility to Battery:0ms				
Efficiency(%)		≥96%				
Overload		≤110%, to bypass after 60mins; ≤125%, to bypass after 10 mins; ≤150%, to bypass after 1min				
Battery						
Modular current change		default 20A,Max 30A				
Voltage		Optional Voltage: 360-600Vdc (30 - 50 pieces optional,no battery N line)				
Protection						
Alarm		Overload, utility abnormal, UPS fault, battery low, etc				
Protection		short circuit, overload, over temperature, battery low, fan fault alarm, bypass back irrigation, lightning protection.				
Communication						
Communication interface		USB, CAN, RS485, FE, Parallel card, Dry contact card, SNMP card(optional), LBS (optional), temperature sensor (optional)				
Environment						
Operating Temperature		0°C - 40°C				
Storage Temperature		-40°C - 70°C (no battery)				
Humidity		0 - 95% (no condensing)				
Altitude		< 1500m (over 1500m, derating use)				
Noise level		<70dB				
Physical						
Dimensions D*W*H(mm)	UPS cabinet	1000*800*2000	1000*1600*2000(1 switch)/1000*1800*2000 (4 switches)			
	UPS Module		750*440*131			
Net Weight (kg)	UPS cabinet	412	700/900	710/910		
	UPS Module		49			
Standards						
Standards		EN62040-1, EN62040-2, EN62040-3				