

CX Series

50 ~ 800kVA

Modular UPS (50k module)



Introduction

CX 50-800kVA is a new generation three-in-three-out modular UPS launched by our company. The products adopt digital control, modular design and N+X parallel redundancy technology,

which integrates the most advanced technical achievements in the field of power electronics and automatic control. It is benchmarking product in the modular UPS field. The capacity covers

all power sections between 50kVA and 800kVA, which is convenient for users to configure flexibly and gradually invest. It can be 4 parallel to 3200kVA.

Applications

Medium data centers, server rooms Telecom, IT equipment, group enterprises, and other mission-critical applications.

Benefits

- Modular design, improves maintainability and reliability
- ECO mode operation for energy saving
- Cold start for easy operation
- Communications for network management and remote monitoring
- N+X redundancy, expanding as required, saves initial investment

Features

- Centralized bypass, centralized control, modular design
- Online double conversion and three level technology
- DSP digital control technology
- Wide input voltage range
- Output power factor 1
- High power density with size 440mm*620mm*2U
- Cold start (battery start up)
- ECO mode operation
- intelligent battery management
- N+X redundancy
- Communications: RS485/Dry contact card/SNMP option
- Optional emergency power off (EPO) function
- Compatible with lithium battery applications



Model	CX 200 - 50	CX 300 - 50	CX 400 - 50	CX 500 - 50	CX 600 - 50	CX 800 - 50
Capacity						
UPS Cabinet	50-200 kVA	50-300 kVA	50-400 kVA	50-500 kVA	50-600 kVA	50-800 kVA
UPS module	50 kVA					
Model quantity	4	6	8	10	12	16
Input						
Phase	3 Phase 4 Wires and Ground					
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 Voltage Range	Max.voltage: 220V:+25 % (optional +10%, +15%, +20%); 230V:+20 % (optional +10%, +15%); 240V:+15 % (optional +10%); Min. voltage: -45% (optional -20%, -30%)					
	Frequency protection range: ± 10%					
Power Walking In	Yes					
Bypass back irrigation	Bypass back irrigation					
Generator access	Yes					
Output						
Phase	3 Phase 4 Wires and Ground					
Rated Voltage	380/400/415Vac					
Power Factor	1					
Voltage Regulation	± 1%					
Frequency	Utility Mode	± 1%, ± 2%, ± 4%, ± 5%, ± 10% of the rated frequency(optional)				
	Battery Mode	(50/60 ± 0.1%)Hz				
Crest Factor	3:1					
THD	≤2% with linear load; ≤4% with non linear load					
Efficiency	96%					
Overload	≤ 110%, to bypass after 60min; ≤ 125%,to bypass after 10min; ≤ 150%.to bypass after 1min					
Battery						
Voltage	± 180V/ ± 192V/ ± 204V/ ± 216V/ ± 228V/ ± 240/ ± 252/ ± 264/ ± 276/ ± 288/ ± 300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs optional)					
Module change current	Default 10A, max 15A					
Transfer time	Utility to Battery: 0ms; Utility to bypass: 0ms					
Protection						
Alarm	overload, utility abnormal, UPS fault, battery low, etc					
Protection	short circuit, overload, over temperature, battery low, fan fault alarm					
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	-25 °C - 55 °C (no battery)					
Humidity	0 - 95% (non-condensing)					
Altitude	< 1500m					
Noise level	<70dB					
Physical						
Dimensions D*W*H(mm)	UPS cabinet	850*600*2000		850*1200*2000		850*2400*2000
	UPS Module	620*440*131				
Net Weight (kg)	UPS cabinet	203	235	407	443	513
	UPS Module	33				
Standards						
Standards	EN62040-1, EN62040-2, EN62040-3					