

CX Series

25 ~ 250kVA

Modular UPS (25k module)



Introduction

CX 25-250kVA is a modular design UPS. It uses on-line double conversion and advanced DSP digital control technology, resulting in the highest levels of reliability. The UPS is three phase in, three phase out, with each module is 25kVA. It's available from 25kVA to 250kVA unit capacity, and parallel 4 units to 1000kVA.

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 75 - 25	CX 125 - 25	CX 250 - 25
Capacity			
UPS Cabinet	25-75 kVA	25-125 kVA	25-250 kVA
UPS module	25 kVA		
Model quantity	3	5	10
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); ≤4%(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; ≤5% 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)		
Charging current	UPS cabinet	30A Max	50A Max
	UPS module	10A Max	
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*1350	850*600*1350
	UPS Module	620*440*86	
Net Weight (kg)	UPS cabinet	150	158
	UPS Module	21.6	
Standards			
Standards	EN62040-1, EN62040-2, EN62040-3		