

CX Series

30 ~ 300kVA

Modular UPS (30k module)



Introduction

CX 30-300kVA is a modular design UPS. It uses online 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 30kVA. It's available from 30kVA to 300kVA unit capacity, and parallel 4 units to 1200kVA.

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 90 - 30		CX 150 - 30		CX 300 - 30										
Capacity															
UPS Cabinet	30-90 kVA		30-150 kVA		30-300 kVA										
UPS module			30 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); ≤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)														
Charging current	UPS cabinet	30A Max	50A Max	100A 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	UPS cabinet	850*600*1350	850*600*1350	850*600*2000											
D*W*H(mm)	UPS Module		620*440*86												
Net Weight (kg)	UPS cabinet	150	158	245											
	UPS Module		21.6												
Standards															
Standards	EN62040-1, EN62040-2, EN62040-3														