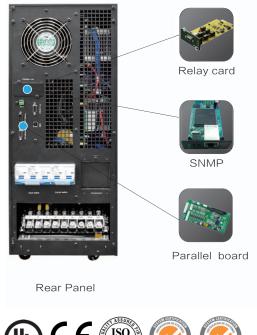


The Crystal Series Double Conversion true online Series, featured with DSP-controlled technology, superior input Voltage window for energy ECO mode, parallel capability (for 10KVA, 20KVA 3/1), smart fan speed control, optional powerful charger, is an ideal solution to your computer center, network center, communication system, automatic control system or other critical system.

Features

- N+X parallel redundancy
- Online double conversion with DSP control
- Input current harmonic: <5%
- Optimization battery group, the quantity of battery: 16/18/20 pieces (optional)
- High output power factor at 0.8PF
- Wide input voltage range: 208~478Vac
- Wide input frequency range (50Hz: 45~55Hz / 60Hz: 54~66Hz)
- Support generator input
- Support economic (ECO) operation mode
- Self-testing when UPS startup
- Options: SNMP card/Relay card/ Parallel card
- Cold start

















Technical Specifications:

MODEL		CL10000	CL15000	CL20000
Capacity		10KVA/9KW	15KVA/13.5KW	20KVA/18KW
INPUT				
Nominal voltage		380/400/415Vac;(3Ph+N+PE)		
Operating voltage range		208~478Vac		
Operating frequency range		50Hz:45~55Hz;60Hz:54~66Hz(auto sensing)		
Power factor		≥0.99		
		Max.voltage: 220V: +25%(optional +10%,+15%,+20%)		
Bypass voltage range		230V: +20% (optional +10%,+15%)		
		240V: +15% (optional +10%)		
		Min.voltage: -45% (optional -20%, -30%)		
Bypass frequency range		Frequency protection range: ± 10%		
ECO range		Same as the bypass		
Harmonic distortion (THDi)		<5%(100% linear load)		
Generator input		Support		
DUTPUT			- silele	
Rated voltage		220/230/240Vac		
Power factor		0.8/0.9(optional)		
Voltage regulation		± 1%		
	Line Mode	± 1%/ ± 2%/ ± 4%	%/±5%/±10% of the rated frequency	v(optional)
Frequency	Bat. Mode	50/60(±0.1)Hz		
Crest factor		3:1		
0.000.1000.01		≤2% with linear load		
Harmonic distortion (THDv)		≤5% with non-linear load		
Efficiency		>92%	>93.5	5%
BATTERY		1 0270	, 00.0	.,,
Battery voltage		±96/108/120Vdc (optional)		
Capacity (standard unit)		12V/7Ah/9Ah		
Typical recharge time		6~8 hours (to 90% of full capacity)		
Charge current		1A(10kVA Standard unit); Max.current 10A(Long run unit)		
SYSTEM FE		IA(TORVAS	tandard anit), Max.carrent 10/4(Eong Tar	i di iit)
ransfer time		Mai	ne to Battery:Ome: Maine to Bynase:	nme.
	Line Mode	Mains to Battery:0ms; Mains to Bypass:0ms Load ≤ 110%: last 60min, ≤ 125%: last 10min, ≤ 150%: last 1min, > 150% turn to bypass mode immediately		
Overload	Bypass Mode	63A(Breaker)	100A(Breaker)	125A(Breaker)
Short circuit	Буразз Моче	03A(Breaker)	Hold Whole System	125A(Breaker)
Overheat		Line Mode: Turn to Bypass; Bat. Mode: Shut down UPS immediately		
Low battery voltage		Alarm and Switch off		
Self-diagnostics		Upon Power On and Software Control		
Battery		Advanced Battery Management		
Audible & Visual alarms		Line Failure, Battery Low, Overload, System Fault		
LED & LCD display		Line Mode, Bat. Mode, Eco Mode, Bypass Mode, Battery Low, Overload & UPS Fault		
		Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage,		
LCD display		Inner Temperature & Remaining Battery Backup Time		
Communication interface		RS232,USB,SNMP card(optional), Parallel board(optional), Relay card (optional)		
ENVIRONM		NOZOZ,OOD,ONVIP CAIC	(optional), i araliei boaru(optional), i	τοια γ σατα (οριισπαι)
			0℃~40℃	
Operating temperature Storage temperature		-25°C ~ 55°C		
Humidity range		-25 C ~ 55 C 0 ~ 95% (non-condensing)		
		, 5,		
Altitude		<1500m		
Noise level		<55dB	<580	ID
PHYSICAL		507 050 055(0)/505 055 015/15		
Dimension D × W × H (mm)		597 × 250 × 655(S)/502 × 250 × 616(H)	502 × 250	
Net weight (kg)		76(S)/35 (H)	45	46
STANDARD	os e			
Safety		IEC/EN62040-1,IEC/EN60950-1		
Safety			EC61000-4-2,IEC61000-4-3,IEC6	

Specifications are subject to change without prior notice.



