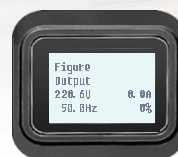


Crystal Series

CL6000RT-10000RT

6~10kVA, 1:1 phase PF 0.9, Rack-Tower



Control Panel



The LCD Panel can be rotated



Battery Cabinet

Features

- Online-Double conversion
- Non Transfer Time of output
- PFC technology
- Full digital control (DSP)
- Output power factor: 0.9
- Input current harmonic: 3%
- ECO function
- Charging/Rectifier/Inverter fully digital control technology
- Optimization battery group, the quantity of battery: 16/18/20 pieces (optional)
- Wide input voltage range: 120~276Vac
- Wide input frequency range: 45~55Hz/54~66Hz \pm 0.5Hz
- Self-testing when UPS startup
- Input over/under-voltage protection
- Automatic bypass
- DC start
- Communication port: RS232, USB
- Options: SNMP card / Relay card

Model		CL6000RT	CL10000RT
Cabacity (VA/Watts)		6VA/5.4KW	10VA/9KW
INPUT			
Nominal Voltage		220/230/240Vac	
Operating Range		120~276Vac	
Frequency Range		50Hz:45~55Hz;60Hz:54~66Hz(auto sensing)	
Power Factor		≥0.99	
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%)	
Bypass frequency range		Frequency protection range:±10%	
ECO range		Same as bypass	
Harmonic distortion (THDi)		≤3%(100% linear load)	
Generator input		Support	
OUTPUT			
Output Voltage		220/230/240Vac	
Power Factor		0.9	
Voltage Regulation		±1%	
Frequency	Line Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency(optional)	
	Bat. Mode	50/60(±0.1)Hz	
Crest Factor		3:1	
Harmonic Distortion (THDv)		≤2% with linear load	
		≤5% with non-linear load	
Efficiency		>93.5%	
BATTERY			
Battery voltage		±96/108/120Vdc (optional)	
Capacity (standard unit)		12V-7Ah/9Ah	
Typical recharging time		6~8 hours (to 90% of full capacity)	
Charging current		Standard unit); Long run unit Max.current10A(charging current can be set according to battery capacity install	
Transfer time		Mains to battery:0ms; Mains to bypass:0ms	
Overload	Line Mode	Load≤110%: last 10min, ≤130%: last 1min, >130% turn to bypass mode immediately	
	Bypass Mode	40A(Breaker)	63A(Breaker)
Short circuit		Hold whole system	
Overheat		Line Mode: Turn to Bypass; Bat. Mode: Shut down UPS immediately	
Battery low		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 , Bat. , Eco , Bypass mode, Battery under voltage, Overload & UPS fault	
LCD display		Input voltage, frequency, Output voltage, frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time	
Communication Interface		USB,RS232, Parallel port, SNMP card/Relay card (optional)	
ENVIRONMENT			
Operating temperature		0℃~40℃	
Storage temperature		-25℃~55℃	
Humidity range		0~95% (non-condensing)	
Altitude		< 1500m	
Noise level		<55dB	
PHYSICAL			
Dimension D×W×H (mm)		625×440×86.5	
Net weight (kg)			
STANDARDS			
Safety		IEC/EN62040-1,IEC/EN60950-1	
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4, IEC61000-4-5,IEC61000-4-6,IEC61000-4-8	

