

Crystal Plus Series

CL6000-CL10000

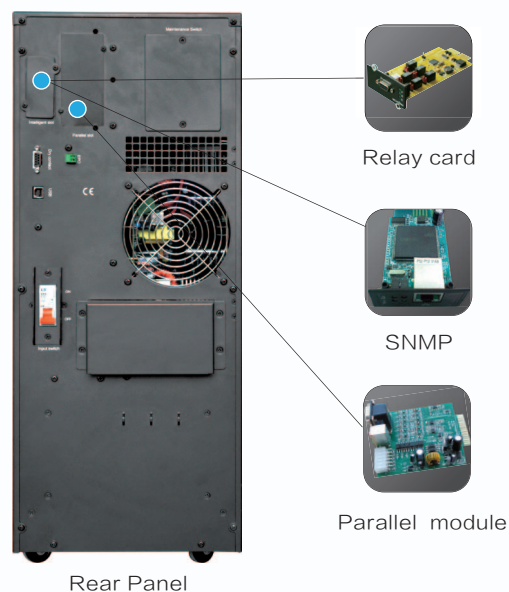
6~10kVA, 1:1 phase PF 0.9



The CL Double Conversion true online Series, featured with DSP-controlled technology, superior input Voltage window for energy ECO mode, parallel capability (for 6KVA, 10KVA), 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: <3%
- Optimization battery group, the quantity of battery: 16/18/20 pieces (optional)
- High output power factor at 0.9PF
- Wide input voltage range: 120~276Vac
- 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



MODEL	CL 6000	CL 6000L	CL 10000	CL 10000L
INPUT				
Nominal voltage	208/220/230/240Vac			
Input voltage range	110 ~ 286Vac			
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%)			
FREQUENCY				
Frequency range	40 ~ 70Hz (50/60Hz Auto-Sensing)			
OUTPUT				
Output voltage	208/220/230/240Vac			
Voltage regulation	±1%			
Power factor	0.9			
Output 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% Linear load			
	≤5% Non linear load			
Transfer time	AC mode to Bat.mode	0ms		
	Inverter to Bypass	0ms		
Output waveform	Pure Sinewave			
Overload	Line mode	Load ≤ 110% last 60min; ≤ 125% last 10min; ≤ 150% last 1min; > 150% turn to bypass mode immediately		
	Bypass mode	40A (Breaker)		63A (Breaker)
Efficiency	up to 93.5%			
BATTERY				
Battery voltage	±96/±108/±120Vdc (Settable)	±120Vdc	±96/±108/±120Vdc (Settable)	±120Vdc
Capacity (Standard unit)	9Ah/12V (7Ah/12V optional)			
Typical recharging time	6 ~ 8 hours (To 90% of full capacity)			
Charging current	1.35A (Standard unit); Long run unit Max.current 10A (Charging current can be set according to battery capacity)			
INDICATORS				
LED display	Line mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault			
LCD display	Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time			
ALARM				
Battery mode	Beeping every 4 seconds			
Battery low	Beeping every second			
Overload	Beeping twice every second			
Fault	Continuously beeping			
PHYSICAL				
Dimension W × D × H	H: 191 × 460 × 337mm; S: 191 × 460 × 720mm (With wheel)			
Net weight	12.5kg	70kg	14kg	71.5kg
ENVIRONMENT				
Operating temperature	0°C ~ 40°C			
Storage temperature	-25°C ~ 55°C			
Humidity range	20 ~ 95%RH @ 0 ~ 40°C (Non condensing)			
Altitude	< 1500m, derating required when > 1500m			
Noise level	< 55dB at 1 Meter		< 58dB at 1 Meter	
STANDARDS				
Safety	IEC/EN 62040-1, IEC/EN 62477-1			
EMC	IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2)			

