



CL6000 - CL10000 SERIES

6~10kVA

1:1 phase PF: 0.9



Control Panel

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



Battery Cabinets
(Optional)



Rear Panel



Relay card



SNMP



Parallel module

Technical Specifications:

Model		CL6000	CL10000
Capacity (VA/Watts)		6k / 5.4k	10k / 9k
INPUT			
Nominal voltage		220/230/240Vac	
Operating voltage range		120~276Vac	
Operating 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%)	
ECO range		Same as the bypass	
Harmonic distortion (THDi)		<3%(100% linear load)	
Generator input		Support	
OUTPUT			
Rated 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 recharge time		6~8 hours (to 90% of full capacity)	
Charge current		1A(Standard unit); Long run unit Max.current10A(charge current can be set according to battery capacity installed)	
SYSTEM FEATURES			
Transfer time		Mains to Battery:0ms; Mains to Bypass:0ms	
Overload	Line Mode	Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, >150% turn to bypass mode immediately	
	Bypass Mode	40A(Breaker)	60A(Breaker)
Short circuit		Hold Whole System	
Overheat		Line Mode: Turn to Bypass; Backup 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	
LCD display		Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage, Inner Temperature & Remaining Battery Backup Time	
Communication interface		RS232,USB,SNMP card(optional), Parallel card(optional), Relay card (optional)	
ENVIRONMENTAL			
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)		502 × 250 × 616	
Net weight (kg)		62 / 18	64 / 20
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	
BATTERY BANK			
Model		MP-BT Series	
Battery type& Max.quantity		2 × 20pcs/7Ah/(9Ah)	
PHYSICAL OF BATTERY BANK			
Dimensions D × W × H (mm)		597 × 250 × 616	
Net weight (kg)		122/134	