



• DATA CENTER •



• HOME & OFFICE •



• MALLS •

CL 100

UNINTERRUPTIBLE POWER SUPPLIES

6-10kVA

1 PHASE IN / 1 PHASE OUT



➔ ONLINE DOUBLE CONVERSION

➔ FULL DIJITAL CONTROL

➔ WIDE INPUT VOLTAGE RANGE



TOWER



VFI
TYPE

UPS ONLINE



0.9

POWER FACTOR



SERVICE / TECH.
SUPPORT



GENERAL SPECIFICATIONS

- Online double conversion with full digital control
- Optimization battery group, the quantity of battery: 16/18/20pcs (Settable)
- Wide input voltage range: 110~286Vac

- Input power factor 0.99 with PFC
- Wide input frequency range
- Selectable output voltage: 208/220/230/240Vac
- Generator compatible
- ECO mode operation for energy saving
- Self-testing when UPS startup
- Multiple communication interface: RS232/USB/EPO
(Dry contact card/SNMP card optional)
- Cold start
- Design with maintenance switch (Optional)
- Intelligent fan speed regulation
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm



Long run unit (CL 106-110XL)



TECHNICAL SPECIFICATIONS

MODEL	CL 106XL 6KVA	CL 106 6KVA	CL 110XL 10KVA	CL 110 10KVA
Capacity (VA/W)	6000/5400		10000/9000	
INPUT				
Nominal voltage (Vac)	208/220/230/240			
Operating voltage range (Vac)	110~286			
Power factor	≥0.99			
Harmonic distortion (THDi)	≤3% (Linear load)			
Bypass voltage range (Vac)	Max.voltage: 230~264; Min.voltage: 176~220			
Bypass frequency range (Hz)	40~70 (50/60 Auto-Sensing)			
OUTPUT				
Nominal voltage (Vac)	208/220/230/240			
Voltage regulation	±1%			
Power factor	0.9			
Output frequency (Hz)	Line mode: ±10% of the rated frequency; Bat. mode: (50/60±0.1%)			
Crest factor	3:1			
Harmonic distortion (THDv)	≤ 2% Linear load; ≤ 5% Non linear load			
Transfer time (ms)	AC mode to Batt. mode: 0; Inverter to Bypass: 5 (Typical)			
Waveform	Pure Sinewave			
Overload	Line mode	Load ≤ 105% long time running; ≤ 125% last 10min; ≤130% last 30s; > 130% turn to bypass mode immediately		
	Bypass mode	40A (Breaker)	63A (Breaker)	
EFFICIENCY				
AC Mode	Up to 93.5%			
ECO Mode	Up to 97.5%			
BATTERY				
Battery type	VRLA (Lead acid maintenance free battery)			
Battery voltage	192 (Default)/216/240	192/240 (Default)	192 (Default)/216/240	192/240 (Default)
Battery capacity	9Ah (7Ah Optional)			
Typical recharge time	6~8hr (To 90% of full capacity)			
Max. charging current	8A	1.35A	8A	1.35A
	Charging current adapts to the battery type and battery capacity			
MANAGEMENT				
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			
ENVIRONMENTAL				
Operating temperature	0°C~40°C			
Storage temperature	-25°C~55°C			
Humidity range	20~95%RH @ 0°C~40°C (Non condensing)			
Altitude	< 1000m, derating required between 1000 to 3000m			
Noise level	< 55 dBA		< 58 dBA	
PHYSICAL				
Dimension HxWxD (mm)	337x191x460	720x191x460 (With caster)	337x191x460	720x191x460 (With caster)
Weight (kg)	12	69.5	13.5	71
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)			