



• DATA CENTER •



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• MALLS •

CL PRO

UNINTERRUPTIBLE POWER SUPPLIES

6-10kVA

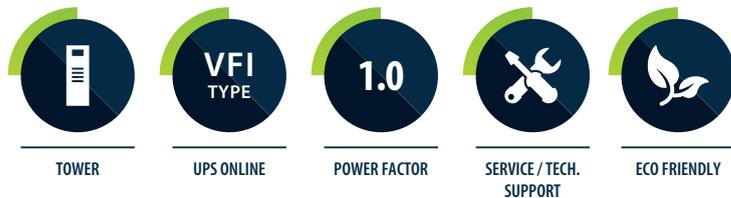
1 PHASE IN / 1 PHASE OUT



➔ ONLINE DOUBLE CONVERSION

➔ FULL DIJITAL CONTROL

➔ HIGH EFFICIENCY



GENERAL SPECIFICATIONS

- N+X parallel redundancy, support maximum 4 units in parallel
- Online double conversion with full digital control
- 3-Level inverter topology, the efficiency can be up to 95.5%
- Wide input voltage range: 110~300Vac
- Dual input source (Optional)
- Generator compatible
- Supporting customized shared battery banks for parallel system
(The battery banks should be configured with neutral line)

- Dual Intelligent card slot for touch screen version (Segment LCD optional)
- Maximum charging current up to 15A
- Cold start function
- Dry contact port optional (4 pins input and 4 pins output)
- Intelligent fan speed regulation
- Low noise design, less than 45dB for 6kVA
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm

TECHNICAL SPECIFICATIONS

MODEL	CL PRO 106 XL 6KVA	CL PRO 106 6KVA	CL PRO 110 XL 10KVA	CL PRO 110 10KVA
Capacity (VA/W)	6000/6000		10000/10000	
INPUT				
Nominal voltage	208/220/230 VAC (Default) / 240			
Operating voltage range	110-300 VAC (110-300 VAC @ 50% load/176-300 VAC @ 100% load)			
Power factor	≥ 0.99			
THDI	≤ 2%			
Bypass voltage range	208/220 VAC Max.voltage: +25% (Optional +10%, +15%, +20%)			
	230 VAC Max.voltage: +20% (Optional +10%, +15%)			
	240 VAC Max.voltage: +15% (Optional +10%)			
	Min. voltage: -45% (Optional -10%, -20%, -30%)			
Bypass frequency range	40~70Hz			
OUTPUT				
Nominal voltage	208/220/230 VAC (Default) / 240			
Voltage regulation	± 1%			
Power factor	1.0			
Output frequency	50/60Hz ± 10% (Line mode); 50/60Hz (Default) ± 0.1% (Battery mode)			
Crest factor	3:1			
Harmonic distortion	< 1% (Full linear load); < 3% (Full nonlinear load)			
Transfer time	AC mode to Batt. mode: 0; Inverter to Bypass: 0			
Waveform	Pure Sinewave			
Overload	Line mode	105%~110%: 60 min; 110%~125%: 10 min; 125%~150%: 1 min; >150%: 0.5 sec		
	Battery mode	105%~110%: 10 min; 110%~125%: 1 min; 125%~150%: 10 sec; >150%: 0.5 sec		
	Bypass Mode	105%~130%: Overload alarm; 130%~150%: 10 min; 150%~200%: 1 min; >200%: 0.5 sec		
		Breaker 40A		Breaker 63A
EFFICIENCY				
AC Mode	Up to 95.0%		Up to 95.5%	
ECO Mode	Up to 98.8%		Up to 99.0%	
BATTERY				
Battery type	VRLA (Lead acid maintenance free battery)			
Battery voltage	192 (Default)/216/240 VDC	192/240 VDC (Default)	192 (Default)/216/240 VDC	192/240 VDC (Default)
Battery capacity	7Ah or 9Ah			
Typical recharge time	6~8hr (To 90% of full capacity)			
Max. charging current	12A (15A Optional)	1.35A Default (12/15A Optional)	15A	1.35A Default (15A)
	Charging current adapts to the battery type and battery capacity			
MANAGEMENT				
LED Display	Online mode, Battery mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault			
LCD Display	Input voltage, Input frequency, Input current, Output voltage, Output frequency, Output current, Load percentage, Battery voltage, Battery charging/ discharging current, Ambient temperature & Remaining battery backup time, 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	< 45 dBA		< 50 dBA	
PHYSICAL				
Dimension HxWxD (mm)	337x191x460	720x191x460 (With caster)	337x191x460	720x191x460 (With caster)
Weight (kg)	12,5	54,0	14,0	63,0
STANDARDS				
Safety	EN IEC 62040-1: 2019+A11:2021			
EMC	IEC 62040-2-2016, EN 62040-2-2018 C2			
Performance	IEC 62040-3: 2021, EN IEC 62040-3: 2021			