



• DATA CENTER •



• HOME & OFFICE •



• MALLS •

CL

UNINTERRUPTIBLE POWER SUPPLIES

1-3kVA

1 PHASE IN / 1 PHASE OUT

➔ ONLINE DOUBLE CONVERSION

➔ FULL DIJITAL CONTROL

➔ WIDE INPUT VOLTAGE RANGE



PLUG & PLAY



TOWER



UPS ONLINE



POWER FACTOR



ECO FRIENDLY



GENERAL SPECIFICATIONS

- High power density
- Online double conversion with full digital control
- Wide input voltage range: 110~300 VAC
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240 VAC
- Smart charger design for optimized battery performance
- Maximum charging current can be expanded to 12A (Long run unit)
- Emergency power off function (EPO)
- ECO mode operation for energy saving

- Generator compatible
- Cold start
- Intelligent fan speed regulation
- Load segment settable (Optional)
- Versatile LCD human-computer interface
- Multiple communication interface: RS232 (USB/EPO/ Dry contact card/SNMP card optional)
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm



CL 3000



CL 2000



CL 1000



TECHNICAL SPECIFICATIONS

MODEL	CL 1000XL 1kVA	CL 1000 1kVA	CL 2000XL 2kVA	CL 2000 2kVA	CL 3000XL 3kVA	CL 3000 3kVA
Capacity (VA/W)	1000/900		2000/1800		3000/2700	
INPUT						
Nominal voltage	208/220/230/240 VAC					
Operating voltage range	110~300 VAC (176~264 VAC @ 100% load)					
Power factor	≥ 0.99					
Bypass frequency range	40~70Hz (50/60Hz Auto-Sensing)					
OUTPUT						
Nominal voltage	208/220/230/240 VAC					
Voltage regulation	± 1%					
Power factor	0.9					
Output frequency	Line mode: 46~54Hz or 56~64Hz; Bat. mode: (50/60Hz ± 0.1%)					
Crest factor	3:1					
Harmonic distortion	≤ 3% Linear load; ≤ 5% Non linear load					
Transfer time	AC mode to Bat.mode: 0ms; Inverter to Bypass: 4ms (Typical)					
Waveform	Pure Sinewave					
EFFICIENCY						
AC Mode	Up to 90%		Up to 91%		Up to 92%	
ECO Mode	Up to 95%		Up to 96%		Up to 97%	
BATTERY						
Battery type	VRLA (Lead acid maintenance free battery)					
Battery voltage	24VDC		48VDC		72VDC	
Battery capacity	Standard UPS: 7/9; XL UPS: Depends on the capacity of external batteries					
Battery quantity	2 pcs		4 pcs		6 pcs	
Typical recharge time	Standard UPS: 4 (To 90% of full capacity)					
Max. charging current	6/12A	1A	6/12A	1A	6/12A	1A
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	< 50 dBA					
PHYSICAL						
Dimension HxWxD (mm)	209x144x293		337x191x460		337x191x460	
Weight (kg)	4.1	9.3	10	19.5	10	24.5
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)					