



• DATA CENTER •



• HOME & OFFICE •



• MALLS •

CL RT

UNINTERRUPTIBLE POWER SUPPLIES

1-3kVA

1 PHASE IN / 1 PHASE OUT



➔ ONLINE DOUBLE CONVERSION

➔ FULL DIJITAL CONTROL

➔ WIDE INPUT VOLTAGE RANGE



PLUG & PLAY



TOWER / RACK



VFI
TYPE

UPS ONLINE



0.9

POWER FACTOR



ECO FRIENDLY



GENERAL SPECIFICATIONS

- Rack/Tower convertible design
- Online double conversion with full digital control
- Wide input voltage range: 110~300VAC
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- 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

- Hot-Swappable battery design
- 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 functions: short-circuit, overload, overheat, battery overcharge and over discharge, output low voltage and fan fault alarm
- PDU with maintenance bypass switch (Optional)



TECHNICAL SPECIFICATIONS

MODEL	CL 1000RT 1kVA	CL 2000RT 2kVA	CL 3000RT 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	24 VDC	48 VDC	72 VDC
Battery capacity	7Ah or 9Ah		
Battery quantity	2 pcs	4 pcs	6 pcs
Typical recharge time	S: 4hr (to 90% of full capacity)		
Max. charging current	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)	86.5x440x325	86.5x440x460	86.5x440x600
Weight (kg)	11,3	19,5	26
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)		