

C1-3K Online UPS Datasheet

Feature :

Zero Transfer time

True Double Conversion Online UPS, Provide most comprehensive protect mission critical equipment from wide range power quality issues

DSP Digital Control Based

Advance DSP base digital control bring high performance of high input Power factor, low distortion , supply the load with perfect sine wave AC power supply

Ultra Wide Input Mains range

Strong compatible with ultra with electric environment, stay well with ultra wide range mains of 90V~300V, 40~70Hz ,dramatically reduce battery discharge , prolong battery life

Best Loading Capability

Up to 0.9 Output Power Factor, 50/60 Hz Automatically adapting, selectable voltage , perfectly match all kind of application

Genset Compatible

Capable of work with wide range of Genset, isolate fluctuation and noise from Genset , provide stable and clean power supply to the user equipment.

High Input power factor

Thanks to digital controlled PFC Technology, >0.99 input power factor, effectively avoid power pollution , save energy expense for customer

Reliable design

Made with strong Glass fiber base (FR4) double side PCB, company with large span component, greatly improve reliability in harsh environment, Well designed ventilation and conformal coating , avoid dust accumulation ,improve resistant to corrosion

Open to customization

Based on powerful controller and open architecture, the product is able to be customized to match need of integration of automatic system or intelligent supervisory system

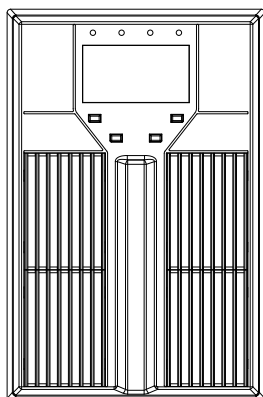
Specification :

Model		C1K	C1KS	C2K	C2KS	C3K	C3KS
Capacity	V/A/W	1kVA/800W		2kVA/1.6kW		3kVA/2.4kW	
Topology		Double Conversion Online UPS					
Phase		Single Phase Input Single Phase Output					
Mains Input	Wiring	L/N+PE					
	Rated Voltage	208/220/230/240VAC					
	Voltage Range	90~300VAC					
	Frequency Range	40Hz-70Hz					
	Input Power Factor	≥0.99					
AC Output	Wiring	L/N+PE					
	Output Voltage	208/220/230/240VAC					
	Voltage Regulation	±1%					
	Output Frequency	50/60±4Hz(Sync Mode) / 50/60Hz±0.1%(Free Run)					
	Waveform	Pure Sine Wave					
	Distortion (THDV%)	<2%(Linear Load)					
		<7%(None-Linear Load)					
	Over load capability	1Min@105%~125%Rated Load 30Sec.@125%~150%Rated Load 0.5Sec.@>150%Rated Load					
Efficiency	AC/AC Mode	88%		89%		90%	
	DC/AC Mode	86%		87%		88%	
Battery & Charge	Rated Battery Voltage ①	24VDC Internal	36VDC External	48VDC Internal	72VDC External	72VDC Internal	96VDC External
	Battery Capacity	12V/7AH x2pcs	External Battery Depends	12V/7AH x4pcs	External Battery Depends	12V/7AH x6pcs	External Battery Depends
	Backup Time	>6mins @ Half Load		>6mins @ Half Load		>6mins @ Half Load	
	Charging Current	Standard Model with Internal Battery:1A Long Backup Time Model :4A					
Physical	Chassis Style	Tower					
	Tower Dimension	1KS: 145(W)X220(H)x250(D)mm 1K, 2KS: 145(W)X220(H)x318(D)mm 2K : 145(W)X220(H)x390(D)mm 3K/3KS: 190(W) x 318(H) x 368(D)mm					
	Weight (kg)	8.9	4.2	14	5.9	21.6	8.3
HMI	LCD DISPLAY	Input Mains Voltage, Frequency, Load level, Operation Mode, Health Status					

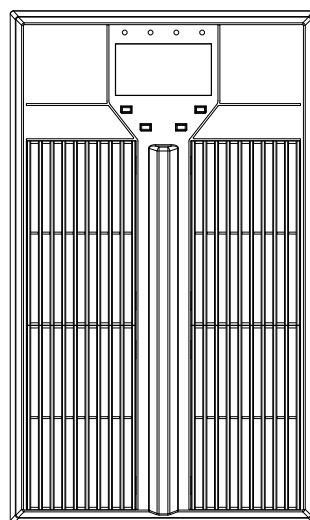
	Standards Communication Interface	1. RS232 PORT
	Optional Extension Card	2. NMC Card: Support remote monitor the UPS via Smart Phone APP, Web page, PC Monitor Software , Support Server / NAS shutdown 3. MODBUS Card, 4. USB Card 5. Relay Card (Needs assembly according to order request before shipping)
Operating Environment	Temperature range	-10~50°C
Endurance	Relative Humidity	0-98% (Non-condensing)
	Acoustics Noise	<55dB @ 1 meters

UPS Outlook^③

Front View

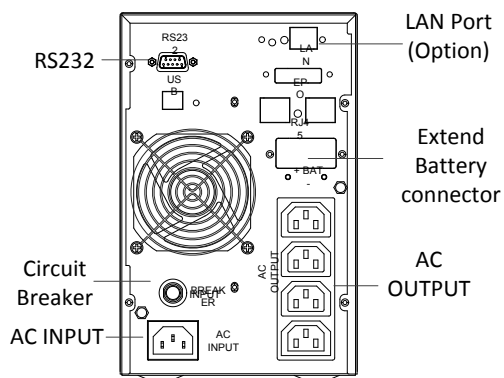


C1K(S) Bezel with 4 Button

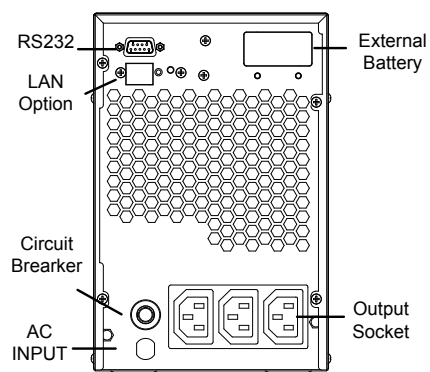


C2K(S) /C3K(S) Bezel with 4 Button

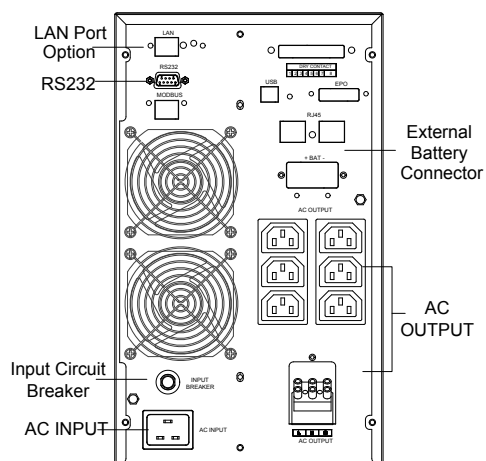
Rear View



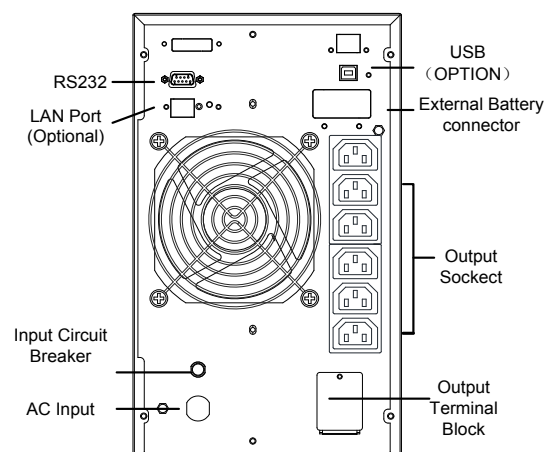
C1/2K



C1KS/2KS



C3K_HV Rear Panel



C3KS_HV Rear Panel

Note:

- ① Battery Capacity and voltage is open to customization
- ② Dimension might vary for different bezel
- ③ The socket and terminal configuration on the rear panel may be different for countries or regions according to order
- ④ More parameter customization , please contact sales representative