

# C1-3K Rack-Mounted 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

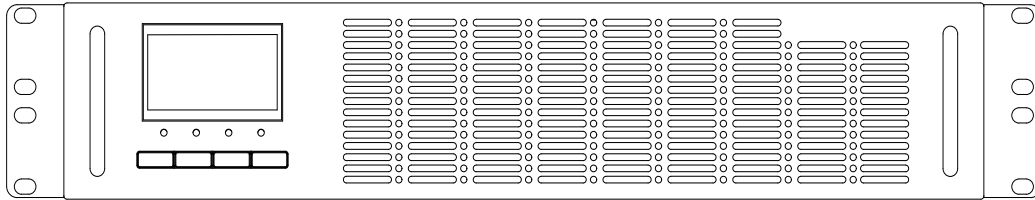
**Specification :**

Model		C1KR	C1KRS	C2KR	C2KRS	C3KR	C3KRS
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	48VDC Internal	96VDC External
	Battery Capacity	12V/7AH X2pcs	External Battery Depends	12V/7AH x4pcs	External Battery Depends	12V/9AH x4pcs	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	Rack-Mounted					
	Rack Dimension	1KR/1KSR/2KR/2KSR/3KSR: 438mm(W) x 88mm(2U)(H) x 360mm(D) 3KR: 438mm(W) x 88mm(2U)(H) x 500mm(D) Include Internal Battery					
	Weight (kg)	13	8.5	18.5	11.5	21.9	12
HMI	LCD DISPLAY	Input Mains Voltage, Frequency, Load level, Operation Mode, Health Status					
	Standards Communication	1. RS232 PORT					

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

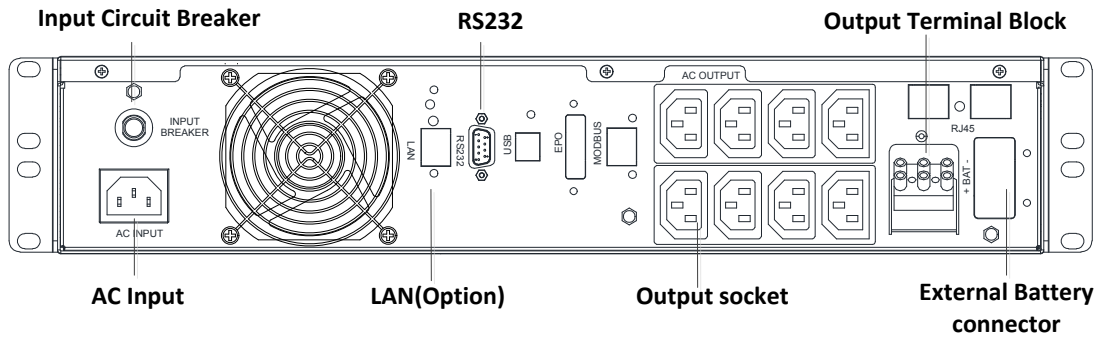
## UPS Outlook<sup>®</sup>

### Front View

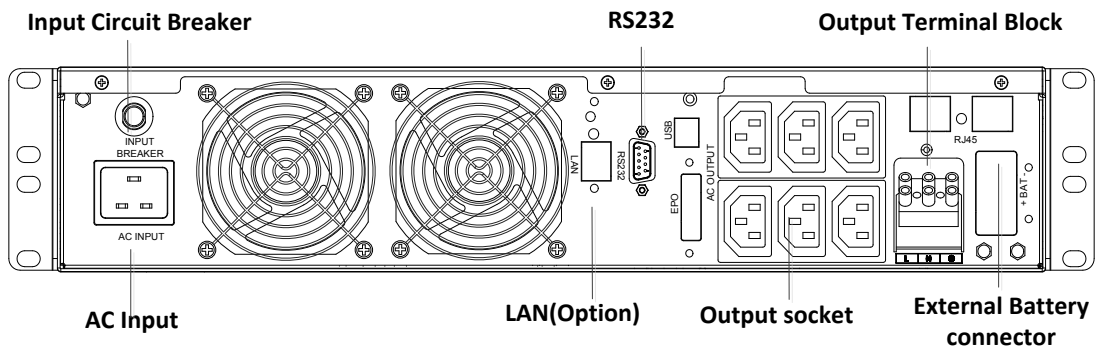


S1KR(S)/S2KR(S)/S3KR(S) 2U Rack-Mounted UPS

### Rear View



S1KR(S)/S2KR(S) 2U Rack-Mounted UPS Rear Panel



## S3KR(S) 2U Rack-Mounted UPS 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