

19" RACK MOUNT OUTDOOR UPS MODULE



CNHR112 1-3KVA

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.
- ◆ **Front Maintenance Terminals, Input/Output and Battery Terminals.**

Product Parameter

Model	CNHR112-1K	CNHR112-2K	CNHR112-3K
Capacity	1kVA/800W (Optional 900W)	2kVA/1.6kW (Optional 1.8KW)	3kVA/2.4kW (Optional 2.7KW)
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	<2% (Linear Load)	
	(THDV%)	<5% (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	0.88	0.89
	DC/AC Mode	0.86	0.87
Battery&Charge	Rated Battery Voltage	48VDC/36VDC	48VDC/72VDC
	Charging Current	1-12A settable	
Physical	Chassis Style	Rack-Mounted	
	Rack Dimension	438mm(W) x 88mm(2U)(H) x 360mm(D)	
	Weight (kg)	8.5	11.5
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 Endurance	Temperature Range	-10~50°C	
	Relative Humidity	0-98% (Non-condensing)	
	Acoustics Noise	<55dB @ 1 meters	