

## HR1103CS Rackable Online UPS 3kVA (220V/230V/240V)

HR1103CS, 3kVA, is double conversion online rack UPS with fully digital control technology. This upgraded new generation of UPS is compatible with lithium batteries, and charging current can be increased up to 12A. With its compact design of high density (Output PF = 1) in 2U height, HRC series makes it deal choice for computers, telecommunication equipment and other sensitive device.



### Application

IDC (Internet Data Center), network, servers and workstations, control system, communication system, office, PC etc.

### Features

- Wide range of input voltage while input PF > 0.99
- LCD/LED display, monitoring all the operation status
- Output PF of 1, upgraded overload capability
- External environment and battery temperature sensor
- 19" standard cabinet and battery cabinet
- 1-12A adjustable charger with more flexibility
- Multiple communication interface: RS232, RS485, AS400, dry contact, USB and SNMP card
- Intelligent charging management, effectively improving the life time of battery
- Auto fan speed adjustment
- Support Lithium battery

### Specification

MODEL		HR1103CS		
System Capacity		3kVA		
Input	Phase	Single Phase in, Single Phase out		
	Input Voltage Range	110V A C ~300V A C 176VAC~276VAC for 100% load; 276VAC~300VAC for 50% load; 110VAC~176VAC load decrease linearly from 100%~50%		
	Input Power Factor	≥0.99		
	Input Frequency	50/60±5Hz (Default), ±3Hz/±10Hz (settable)		
	Input Frequency Range	40Hz~70Hz		
	Frequency Adaptable	Settable		
	Output Voltage	200/208/220/230/240VAC		
Output	Voltage Regulation	±1%		
	Rate Frequency	50/60Hz		
	Frequency Range	±0.1%		
	Output THDu	≤2% THD, linear load; ≤5% THD, non-linear load		
	Output PF	1 (0.9 for 200VAC/208VAC)		
	Crest Factor	3:1		
	Dynamic Response	≤5% (0% - 100% -0%)		
	Dynamic Recovery	≤40ms (0% - 100% -0%)		
	Overload Capability	Inverter	102%~110% for 30mins; 110%~125% for 10mins; 125%~150% for 30s	
		Battery	102%~110% for 1min; 110%~125% for 10s; 125%~150% for 5s	
Bypass		<130%: long term operation; <150% for 10mins; <180% for 5s		
Battery	DC Voltage	72VDC		
	Number/Type	12V, 9Ah*6		
	Charging Voltage	Settable		
	Max Charging Current	1A		
	Battery Cold Start	Standard		
System	Efficiency	Normal Mode	95.5%@100% load	
		ECO Mode	98%	
		Battery Mode	91.5%@100% load	
	Noise (1m away)	<50dB@<60%load <55dB@>60%load		
Display	LED+LCD			
	Interface	RS232, input socket (IEC C14 for 1K, C20 for 2-3K) output socket: 2 National standard sockets		
	Optional	RS485, USB, AS400 Dry Contact, SNMP Card, EPO External Battery Temperature, RJ45 Surge Protection		
Physical	W*D*H(mm)	440*577*86		
	W*D*H(mm)(Package size) Net Weight (KG)	580*717*250 24.9		