

HRC11 Series Tower Online UPS

1-3kVA (220V/230V/240V)

HRC series, range from 1kVA to 10kVA, 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			HR1101CL	HR1101CS	HR1102CL	HR1102CS	HR1103CL	HR1103CS
System Capacity			1kVA		2kVA		3kVA	
Input	Phase		Single Phase in, Single Phase out					
	Input Volatge Range		110VAC~300VAC					
			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), ±1Hz/±3Hz/±10Hz (settable)					
	Input Frequency Range		40Hz~70Hz					
	Frequency Adaptable		Settable					
Output	OutputVoltage		200/208/220/230/240VAC					
	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)					0.9
	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		36V/48Vdc	36Vdc	72V/96Vdc	72Vdc	96Vdc	72Vdc
	Number/Type		External	12V, 7Ah*3	External	12V, 7Ah*6	External	12V, 9Ah*6
	Charging Voltage		Settable					
	Max Charging Current		1-12A	1A	1-12A	1A	1-12A	1A
	Battery Cold Start		Standard					
System	Efficiency	Normal Mode	94.5%@100% load		95.5%@100% load		95.5%@100% load	
		ECO Mode	98%		98%		98%	
		Battery Mode	89.5%@100% load		91.5%@100% load		91.5%@100% load	
	Noise (1m away)		<43dB@<60%load <47dB@>60%load		<50dB@<60%load <55dB@>60%load		<50dB@<60%load <55dB@>60%load	
	Display		LED+LCD					
	Interface		RS232, input socket (IEC C14 for 1K, C20 for 2-3K) output socket (4 National standard sockets)					
	Optional		RS485, USB, AS400 Dry Contact, SNMP Card, EPO External Battery Temperature, RJ45 Surge Protection, Dust net					
Physical	W*D*H(mm)		440*377*86	440*427*86	440*427*86	440*577*86	440*427*86	440*577*86
	Net weight (KG)		5.5	12.5	7	21.9	7.3	24.9