

HR33 Series Rack Online UPS

(380V/400V/415V)

The HR Series rack-mounted UPS, designed as a fully digital 3P in / 3P out online double-conversion system, delivers highly reliable, clean, and stable power output with outstanding performance. Featuring a high power density design, it supports both standard rack and tower installation, enabling flexible adaptation to diverse deployment scenarios.



Application

Network computer rooms and critical power equipment protection are applicable to government, telecommunications, education, transportation, industry, taxation, and energy and power systems.

Features

High Reliability

- ◆ Advanced DSP control technology with rapid fault protection, diagnostics, and handling capabilities.
- ◆ Independent airflow channel design safeguards precision and sensitive components.
- ◆ EMC C2 compliance.
- ◆ Dual backflow protection design featuring electronic backflow protection + dry contact backflow signal ensures safe and reliable UPS operation.

High Efficiency and Energy Savings

- ◆ AC mode efficiency up to 96.5%, effectively reducing UPS operational energy consumption.
- ◆ Output PF 1.0.
- ◆ Supports battery bank configurations (±12 to ±20pcs).
- ◆ Supports parallel operation with shared battery banks.

Simple and User-Friendly

- ◆ Compatible with both rack and tower mounting.
- ◆ 3U in height; 10-20 kVA models fit 800 mm deep server cabinets, and 30-40 kVA models fit 1000 mm deep server cabinets.
- ◆ 5-inch LCD touchscreen for enhanced user-friendly interaction.
- ◆ Ergonomically designed angled terminal blocks for simplified wiring.

Specification

Model		HR33010DL	HR33015DL	HR33020DL	HR33030DL	HR33040DL
Rated Power		10kVA	15kVA	20kVA	30kVA	40kVA
Main Input	Input/Output Configuration	3/3 (Default), 3/1, 1/1			3/3	
	Rated Voltage	380/400/415VAC (L-L) 220/230/240VAC (L-N)			380/400/415VAC (L-L)	
	Voltage Range	304V~478Vac (line-line),full load; 228V~304Vac(line-ine),derate from 75% to 100% load				
	Frequency Range	40Hz ~ 70Hz				
	Power Factor	> 0.99				
	THDi	THDi ≤ 3% (full non-linear load)				
Bypass Input	Rated Frequency	50/60Hz				
	Voltage Range	Selectable, default -20% ~ +15% Up limited: +10%, +15%, +20%, +25% Down limited: -10%, -15%, -20%, -30%, -40%				
	Bypass Overload	110%, continuous operation 110% < load ≤ 125%,last for more than 10 minutes 125% < load ≤ 150%,last for more than 1 minutes >150%, last for more than 200ms				
Output	Rated Voltage	380/400/415VAC (L-L) 220/230/240VAC (L-N)			380/400/415VAC (L-L)	
	Power Factor	1				
	Inverter Overload	100%, Continuous Operation 100% < load ≤ 110%, last for more than 60 minutes 110% < load ≤ 125%,last for more than 10 minutes 125% < load ≤ 150%,last for more than 1 minutes >150%, last for more than 200ms				
	Rated Frequency	50/60 Hz ±0.1% free running				
Battery	Battery Rate Voltage	±144~±240V DC				
	Number of battery blocks	24-40 blocks Note: 32-40 blocks, PF=1; 30 blocks, derate factor 0.9; 28 blocks, derate factor 0.7; 24-26 blocks, derate factor 0.5				
Efficiency	Normal Mode	96.2%			96.5%	
	Bypass Mode	99%				
System	Function	Black box, Self-aging, Cold start, EPO, LBS, etc.				
	Display	5-inch LCD screen +LED Supported languages: French, English, German, Italian, Spanish, Portuguese, Russian, Polish, Turkish				
	Interface	USB, RS485,CAN, USB, Parallel (or for LBS) , Dry contact, Intelligent slot(SNMP and AS400)				
	Optional (or Accessory)	SNMP Card, AS400 Card, Parallel cable, USB cable; NTC cable				
Environmental	Operation Temperature	0 ~ 50 °C (40 °C ~50 °C , derating to 70%)				
	Storage Temperature	-40 ~ 70 °C (without batteries)				
	Relative Humidity	0 ~ 95% Non condensing				
	Noise (1 meter)	<60dB			<65dB	
	Altitude	< 1000m, Load derated 1% per 100m From 1000 ~ 2000m				
Other	Dimension (W*D*H,mm)	438mm x 600mm x 130mm (Includes junction box; handle not included)			438mm x 762mm x 130mm (Includes junction box; handle not included)	
	Weigh (kg)	20.5	20.5	23	28	30