

CNH330R SERIES RACK ONLINE UPS 10-40kVA

CONSNANT

10-40kVA

3Phase Input/3Phase Output



This series UPS is a kind of three-in/three-out high frequency online UPS, it provides 10KVA, 15KVA, 20KVA, 30KVA and 40KVA. The products are modularized and adopt the N+X redundancy. It can flexibly increase the number of the UPS modules according to the load capacity which is convenient for flexible allocation and gradually investment.

The UPS can solve most of the power supply problems, such as blackout, over-voltage, under-voltage, voltage sudden drop, oscillating of decreasing extent, high voltage pulse, voltage fluctuation, surge, inrush current, harmonic distortion (THD), noise interference, frequency fluctuation, etc..

This UPS can be applied to different applications from computer device, automatic equipment, communication system to industry equipment.

Features

- **3Phase In/3Phase Out UPS**

It is 3Phase In/3Phase Out high-density UPS system, of which input current is kept in balance. No unbalance problem might occur.

- **Digital Control**

This series UPS is controlled by Digital Signal Processor (DSP); it increases reliability, performance, self-protection, self-diagnostics and so on.

- **Compact Design**

This series UPS adopts compact design concept. The capacities are available for 10KVA, 15KVA, 20KVA, 30KVA and 40KVA.

- **Battery Configurable from 30 blocks to 50 blocks**

The battery voltage of this series UPS can be configured at 30 blocks, 32 blocks, 34 blocks, 36 blocks, 38 blocks, 40 blocks, 42 blocks, 44 blocks, 46 blocks, 48 blocks or 50 blocks according to your convenience.

- **Charging Current is Configurable**

Via setting tool, the user may set the capacity of the batteries as well as reasonable charging current as well as maximum charging current. Constant voltage mode, constant current mode or floating mode can be switched automatically and smoothly.

- **Intelligent Charging Method**

The series UPS adopts advanced three-stage charging method—
1st-stage: high current constant current charging to guarantee to charge back to 90%;

2nd-stage: Constant Voltage In order to vitalize battery and make sure batteries are fully charged;

3rd-stage: floating mode.

With this 3-stage charging method, it extends the life of the batteries and guarantees fast charging.

- **LCD Display**

With LCD plus LED displays, the user may easily get UPS status and its operational parameters, such as input/output voltage, frequency & load%, battery % and ambient temperature, etc..

- **Intelligent Monitoring Function**

Via optional SNMP Card, you may remotely control and monitor the UPS.

- **EPO Function**

The series UPS may be completely shut off when the EPO is pressed. REPO function (Remote EPO) is also available in this series UPS.

Capacaity		CNH330R 10-40KVA	
Input			
Phase		3Phase/4Wires + Ground	
Rated Voltage		380/400/415Vac	
Voltage Range		138~476Vac	
Frequency Range		40~70Hz	
Power Factor		≥0.99	
Bypass Voltage Range		Max. voltage: +15%(optional +5%、+10%、+25%) Max. voltage: -45%(optional -20%、-30%) Frequency protection range: ±10%	
Current Harmonic		≤3% (100% linear load)	
Output			
Phase		3Phase/4Wires + Ground	
Rated Voltage		380/400/415Vac	
Power Factor		0.9	
Voltage Precision		±1%	
Output Frequency	Utility Mode	±1%、±2%、±4%、±5%、±10% of the rated frequency (optional)	
	Battery Mode	(50/60±0.2)Hz	
Crest Factor		3:1	
Transfer Time		Utility to battery: 0ms Utility to bypass: 0ms (following)	
Overload Capacity		Load≤110%, 60min, ≤125% last 10min, ≤150% last 1min,≥150% shut down UPS immediately	
THD		≤2% with linear load ≤5% with non liear load	
Efficiency			
Efficiency		ECO mode≥98%; Normal mode≥95%	
Comunication Interface			
UPS Module		RS485、SNMP card (optional)	
Battery			
Voltage		±180V ±192V ±204V ±216V ±228V ±240V ±252V ±264V ±276V ±288V ±300Vdc optional	
Charge Current(A)		Maximum current 10A	
Backup Time		Depends on the capacity of external batteries	
Operating Environment			
Temperature		0℃~40℃	
Humidity		0~95% non condensing	
Storage Temperature		-25℃~55℃	
Altitude		< 1500m	
Other			
Unit Dimensions (W*H*D)		485x130x728mm	
Weight (Kg)		23/25/25/26/28.5	
Industry Standard		CE, EN/IEC 62040-2, EN/IEC 62040-1-1	

