

CNH330 SERIES

Tower ONLINE UPS 10-160kVA

CONSNANT

10-160kVA

3Phase Input/3Phase Output



Features

- **Integrated Solution for Data Center**

UPS can be integrated with battery cabinet, PDU external maintenance bypass, offering excellent choice for data center.

- **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); enhance it increases reliability, performance, self-protection, and self-diagnostics and so on.

- **Battery Configurable**

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.

- **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.

- **Intelligent Charging Method**

The series UPS adopts advanced three-stage charging method:

- 1st stage: high current constant charging to guarantee to charge back to 90%;
- 2nd stage: Constant voltage in order toitalize 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 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.

- **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.

CNH330 10-160KVA						
Model	10-40KVA	60KVA	80KVA	100KVA	120KVA	160KVA
Input						
Nominal Voltage	380/400/415 Vac (3Ph+N+PE)					
Operating Voltage Range	138~485Vac					
Operating Frequency Range	40Hz-70Hz					
Power Factor	≥0.99					
Harmonic Distortion (THDi)	≤3% (100% non-linear load)					
Harmonic Distortion (THDi)	220Vac Max.Voltage: +25% (optional + 10%, +15%, +20%). 240Vac Mac.Voltage: +15% (optional +10%) Frequency synchronize tracing range: ±10%		230Vac.Max: +20% (optional +10%, +15%) Min.Voltage: -45% (optional-20%, -30%)			
Generator Input	Support					
Output						
Output Voltage	380/400/415Vac (3Ph+N+PE)					
Voltage Regulation	±1%					
Power Factor	0.9					
Output Frequency	1. Line Mode: synchronize with input; when input frequency > ±10% (±1% /±2% /±4% /±5% optional) 2. Battery Mode: 50/60*(1±0.02%)Hz					
Crest Factor	3:1					
Harmonic Distortion (THD)	≤2% with linear load		≤4% with non linear load			
Efficiency	95%					
Battery						
Battery Voltage	Optional Voltage: ±180V/ ±192V/ ±204V/ ±216V/ ±228V/ ±240/ ±252/ ±264/ ±276/± 288/300Vdc (30/32/34/36/38/40/42/44/46/48/50 pcs optional)					
Charge Current (A) (charge current can be set according to battery capacity installed)	10-20k Max 5A 30-40k Max 10A	Max. 15A	Max. 20A	Max. 30A		MaX. 45A
System Features						
Transfer Time	Utility to battery: 0ms; Utility to bypass: 0ms					
Overload	Load≥110%: last 60min, ≤125%: last 10min, ≤150%: last 1 min					
Alarm	Overload, utility abnormal, UPS fault,battery low, etc					
Backfeed	Support					
Protection	Short circuit, overload, over temperature, battery low, fan fault alarm					
Communication	USB,RS232,RS485,Parllel port, REPO port, LBS port, Backfeed port, Intelligent slot, SNMP card (optional), Relay card (optional)					
Environmental						
Operating Temperature	0°C~40°C					
Strorage Temperature	-25°C~55°C (no battery)					
Humidity Range	0~95% (non condensing)					
Altitude	< 1500m. When>1500mm, lower the rated power for use					
Noise Level	<58dB	<60dB	<62dB	<63dB	<65dB	<66dB
Physical						
Dimensions H/S D*W*H(mm)	720*250*535	865*250*862	885*440*1200			
Net Weights (kg)	10K:33 / 15K:33.5 20K:34 / 30K:35 40K: 40	70.5	150		162	196
Standards						
Safety	IEC/EN62040-1, IEC/EN60950-1					

