

HP9330C Series

High Frequency Online UPS

20-80KVA (3 Ph/3 Ph)

Personal
Computers



Medical



Telecom



Local area
Networks



Labs



Servers



E-business



► Product snapshot:

Model: 20-80KVA

Nominal voltage: 380/400/415VAC

Nominal frequency: 50/60Hz

Output Power factor: 0.8

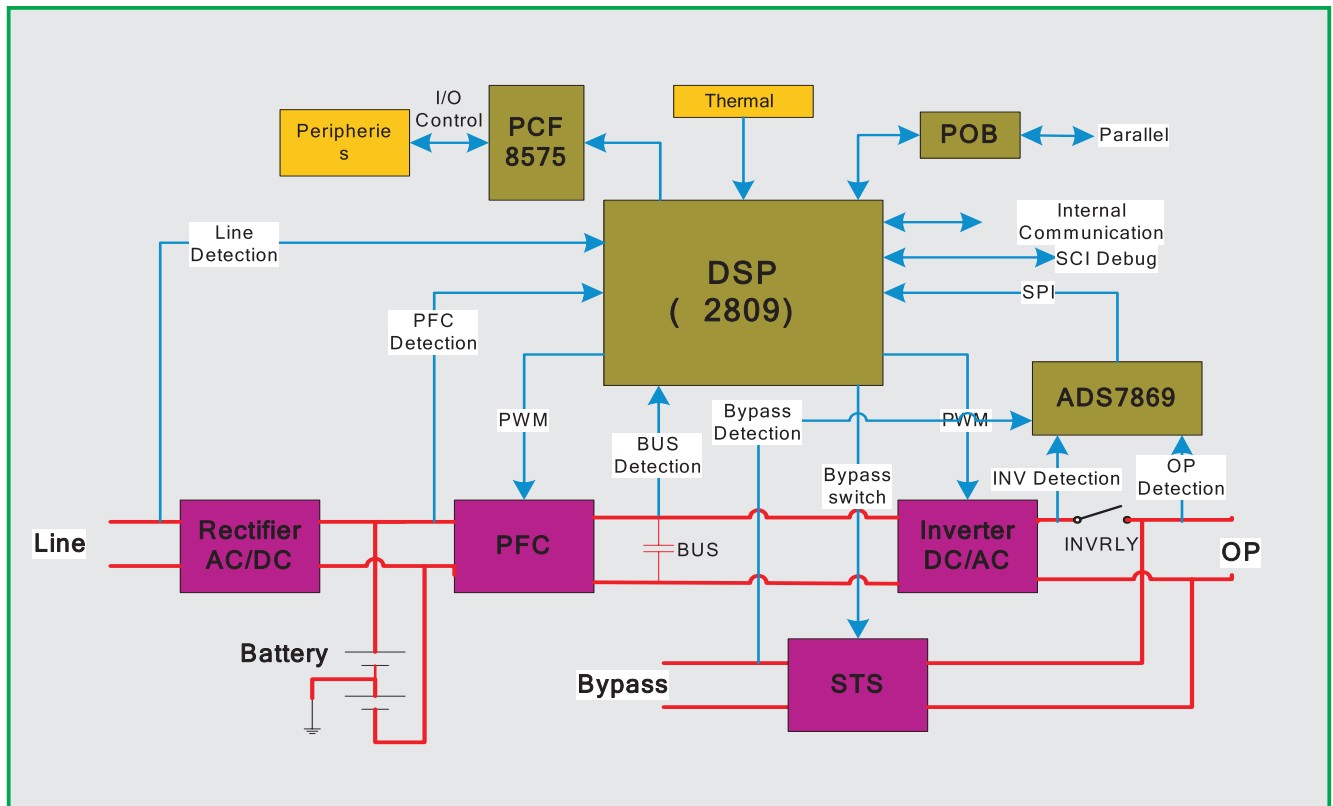
Key Features:

- Advanced IGBT Rectifier technology, Input power factor: 0.99.
- Input THDi < 3%.
- The efficiency of the machines is as high as 94%.
- Connect up to 8 units in parallel for maximum flexibility (no parallel kit required), and compatible to battery share in the parallel mode, which helps the customer to extend the system capacity with low cost.
- Intelligent management of battery charging and discharging.
- Twin-channel line input.
- Large LCD Graphical display panel, convenient for operation.



Reduce the investment cost saving valuable space:

HP9330C Series UPS represents the best solution that is both cost effective and environmental friendly. It delivers an excellent integrated autonomy, reduced footprint and optimum input and output performances, guaranteeing reliable and flexible power.



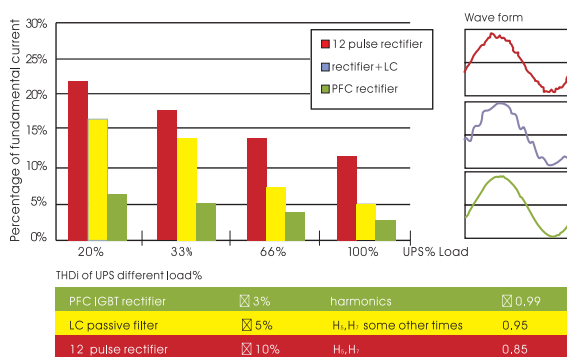
Excellent electrical performance:

Double conversion pure online three-phase input and output three-phase UPS

HP9330C adopt double Conversion technology, able to Provide solutions to conditions like voltage instantaneous drop-off or damping concussion, high-voltage pulse, voltage pulsation, surge voltage, harmonic distortion, and frequency fluctuation.guarantees a safe and reliable power.

High-efficient, energy saving, green environmental protection

The efficiency of the machines is as high as 94% and reaches over 98% in the ECO mode which can help to reduce the power loss of UPS.IGBT FM intelligent rectifier and inverter technology,the input power factor is as high as 0.99 input current harmonic wave(THDI) is as low as 3%.



Comparison of various harmonic suppression

industrial Design standard, Excellent overload capacity

IP21 protection level (protecting the machine from the intrusion of solid material with the diameter larger than 12mm or the water drops) is achieved. If a higher protection level is required, the optional dust-proof accessories can help to increase the protection level in industrial environment and safeguard the UPS's security of operation in bad environment.

The series UPS provide a broader range of input voltage from 210VAC to 475VAC, which ensures that it can be applicable in the awful grid environment or different power supply equipment like generator etc. with its extraordinary input frequency. And the important HP9330C Series ups can take 3phase imbalance load.

Powerful overload capacity: the UPS can work normally under the condition of 110-125% load to 10 minutes, and 1 minute in the condition of 125-150% load. It also has the output short protection capability.

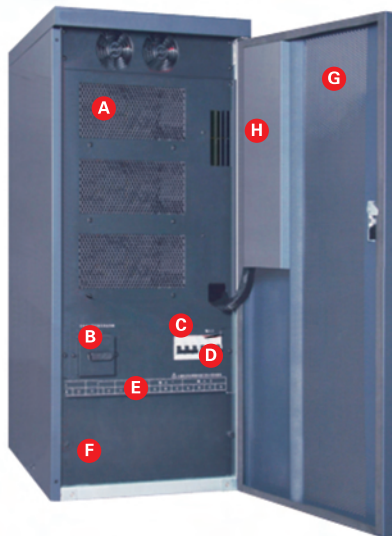
Comprehensive monitoring communication interface

HP9330C series with Communication interfaces like RS232/RS485, Intelligent Slot are provided, SNMP card is available for the realization of remote management and monitoring. In addition, the optional AS400 card is suitable for the connection of stem point, which enriches the customer's choice out of the monitoring demand.



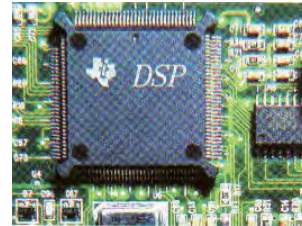
Webpower card, AS/400 card and CMC card.

HP9330C UPS PHOTO:



Configuration View

- A Wind Deflector
- B Maintenance Switch
- C Line Input Breaker
- D Bypass Switch
- E Terminal Block Cover
- F Screws of Terminal Block Cover
- G Front Door
- H Display

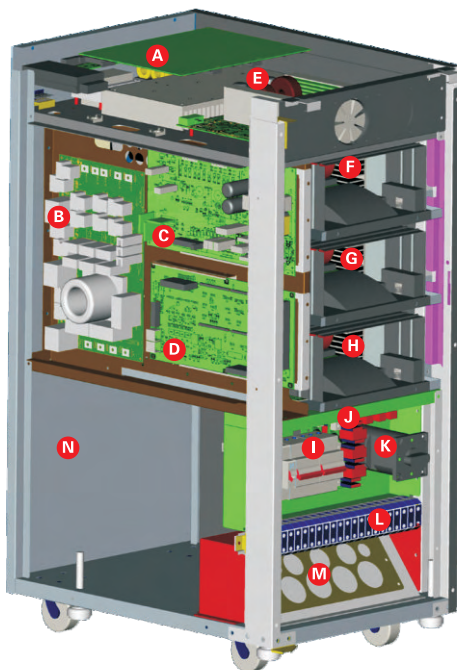


DSP Control



Back View

- A Intelligent Slot
- B Expanded Slot
- C Parallel Interface
- D AS400
- E EPO
- F RS485
- G Service
- H RS232



Class module design rendering picture

- A STS
- B EMI
- C CCB-Power
- D CCB
- E Charger
- F PSDR-R
- G PSDR-S
- H PSDR-T
- I NFB-breaker
- J EMI-Bypass
- K Maintenance switch
- L Terminal
- M Line Hole
- N Space for:
ISO Transformer
and put internal batteries

Reliability, Flexibility, economical:

Digital Signal Processor

The digital Ti DSP controlling chip provides precise data processing capability with excellent performance in output and reliability.

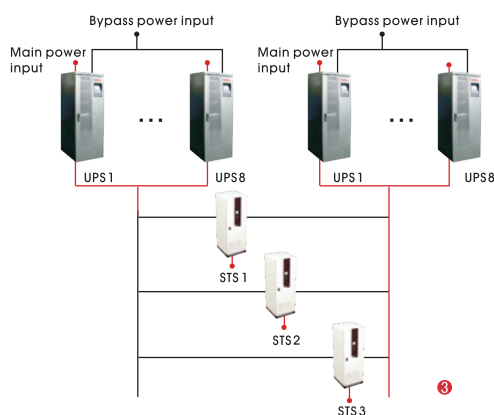
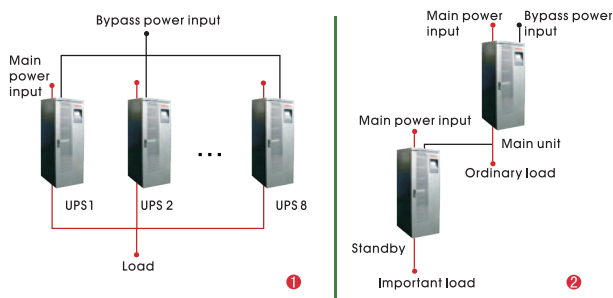
To improve HP9330C Series control system's precision, degree of accuracy and stability in control system, Integrated DSP & CPU, DSP utilize the effective operation capacity, provide CPU as system control signal processing, DSP strongly capacity let the system control more quickly and accurately. Reliability, Flexibility, economical

N+X parallel redundancy (compatible to battery share in the parallel mode)

The maximum of the inbuilt parallel mode is 8 UPS without any other external accessories, extend the system capacity with low cost. And flexible to upgrade the reliability of the system. The advanced controlling strategy is adopted to save the customer's investment by sharing a battery unit in the parallel redundancy mode. up to 8 units in parallel, upgrade the reliability, Redundancy, extend the system capacity.

Hot-swapped redundancy, Easy of installation and service, and upgrade system reliability.

With STS(Static Transfer Switch)'s redundant power system, provide highest reliability of power supply system.



Intelligent management of battery charging and discharging:

The CUP- controlled advanced intelligent charging of battery enables the UPS's charger to rectify the charging parameter, and provide the optimum charging modes in the answer to the environment, types and amounts of cells, and the using condition of the battery. The scientific charging mode extends the battery's service lifetime. The optional addition to charging units shortens the time duration for the battery units recharging. Intelligent management of battery charging and discharging

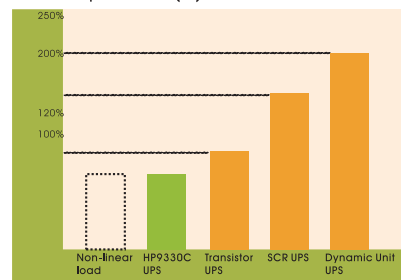
Frontal-board operation and maintenance

The full consideration of customer's efficiency in using the UPS is embodied in the module design and frontal-board maintenance, which saves time for repairing and improves the machine's usability.

Meet all load types

Computer and electronic sensitive equipment belong to non-linear loads, consume harmonic current generally, HP9330C output voltage distortion limited within 3% and has the ability to withstand 3:1 peak factor without reducing the rated power, It is ideal solution to these load requirements, which are further save energy and avoid this phenomenon that to adapt to non-linear load and have to increase the UPS output power rating.

Power Requirements (%)



Various UPS capacity of Satisfy the non-linear load THDU <3%



UPS Power Solutions Expert

HP9330C Series Technical Specifications

Model		HP9330C 20-80KVA							
		20K	20K-XL	30K	30K-XL	40K	40K-XL	60K-XL ISO	80K-XL ISO
Rated Capacity		20KVA/16KW		30KVA/24KW		40KVA/32KW		60KVA/48KW	80KVA/64KW
Rated Voltage		380/400/415VAC; 3-phase+N+G							
Rated Frequency		50/60HZ							
Input									
Voltage Range		380VAC±25%							
Frequency Range		50/60HZ±5%							
Wiring		Twin- channel line input							
THDI		<3%							
Power Factor		>0.99							
Output									
Voltage Precision		380 X (1±1%)VAC; 3-phase+N+G							
Frequency Precision		50/60HZ±0.2%							
Power Factor		0.8							
Current Crest Ratio		3：1							
Overload Capacity		≤110%for 60 minutes; ≤125% for 10min; ≤150% for 1min;							
Battery									
Charging Current		0.5~4.5A(adjustable)							
Backup Time		7mins	Determined by the amount of external-connected cells						
Quantity		28/30/32（selective）；compatible to battery share in the parallel mode							
Efficiency									
Line mode/BAT mode		94%							
ECO mode		98%							
Indication									
LCD		I/O voltage, current, frequency, BAT voltage, charging current value, discharging current value, fault display, fault, warning							
Communications									
Communication Interface		RS232,AS400,RS485,Service,EPO, BAT temperature compensation, Intelligent Slot, SNMP（Option）							
Operation Environment									
Temperature		0℃～40℃							
Humidity		0～95%（Non-condensing）							
Storage Temperature		-25℃～55℃							
Altitude(M)		≤1000 m							
Physics Characteristic									
Weight (KG)	N.W	158	82	220	110	224	114	282	306
	G.W	198	122	270	160	274	164	356	380
Dimensions：(W x D x H)mm		420X600X1250	420X600X950	470X700X1750	470X700X1150	470X700X1750	470X700X1150	600X800X1850	

STANDARD: Conform to GB/IEC regulation : EMC: GB7260.2/IEC62040-2

GB/17626.2~5/IEC61000-4-2~5

SAFETY:GB4943

Note: Product specifications are subject to change without further notice.