

Three-phase online UPS

ATP 990 HV

Power: 10~60KVA

Input Voltage: 380/400/415Vac Output

Output Voltage: 380/400/415Vac



The ATP990 UPS (10-60KVA), is a intelligent and pure sine wave high-power, three-phase online equipment based on reliable, advanced and high-efficiency digital/analog hybrid technology. It offers advanced DSP control, 5-inch LCD touchscreen. Composed of advanced high-power IGBT and SCR for maximum performance.

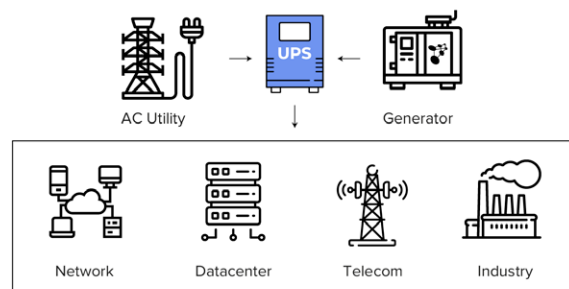
Características

- High frequency on-line double conversion technology
- Advanced dual-core DSP control technology and 3-level technology
- Active power factor correction (APFC), input power factor up to 0.99
- System efficiency is improved to 96%, energy saving rate is doubled
- Output power factor 1.0
- Dual input design, supporting independent bypass
- Advanced digital and parallel technology, providing higher reliability than single system
- Wide input voltage range
- 50 / 60 Hz auto-sensing frequency and conversion mode
- Work efficiency up to 98% in ECO mode
- Fan speed varies intelligently with load, reducing noise and extending its service life
- Conformal coating technology to make UPS operate in harsh environment for a long time
- Flexible battery configuration setting, selectable battery numbers: 32~ 40 pcs
- Digitally controlled charger (Max.10 A & 20% output power)

- Ability to switch on the UPS by battery in the absence of mains power (Cold start)
- Zero switching time for UPS power supply mode.
- Compact internal layout, small footprint
- 5 inches LCD colorful touch screen, friendly human & machine interface
- Powerful background software for parameters configuration and online upgrade
- Advanced multi-platform communication for UPS monitoring: RS232,USB,RS485,dry contacts, SNMP card,Wi-Fi card and GPRS card
- Linear derating in low voltage input, reducing battery discharging times, extending the service life of battery
- Intelligent battery management, automatic equalized and float charging control, charger dormancy control, improving the reliability of charger and extending the battery life
- Effective hardware and software protection, robust self-diagnosis function, abundant event log for future check
- Standard RS232,USB,RS485,EPO,Dry contacts,Parallel port
- Optional SNMP card,WI-FI card,GPRS card, SMS alarms

Fields of application

The ATP990 UPS can be used in applications such as; networks and servers, datacenters, power supply for workstations, office equipment and in production processes in the industrial sector.



Technical specifications

MODEL	ATP9910	ATP9915	ATP9920	ATP9930	ATP9940	ATP9960
Power rating	10kVA/10kW	15kVA/15kW	20kVA/20kW	30kVA/30kW	40kVA/40kW	60kVA/60kW
INPUT						
Rated voltage	380/400/415Vac (3Φ + N + PE)					
Voltage range	304~478Vac, full load 228V~304Vac, load decrease linearly according to the min phase voltage					
Rated frequency	50/60Hz					
Frequency range	40~70 Hz					
Power factor	>0.99					
Bypass voltage range	Selectable, default -20%~+15% Up limited: +10%, +15%, +20%, +25%; Down limited: -10%, -15%, -20%, -30%, -40%					
Bypass frequency range	Selectable, ±1Hz, ±3Hz, ±5Hz					
Input current THDi	<3% (linear load)					
Bypass overload	125%: long term operation; 125%~130%: 10min; 130%~150%: 1min; 150%~400%: 1s; >400%, less than 200ms					
OUTPUT						
Rated voltage	380/400/415Vac(3Φ + N + PE)					
Voltage precision	±1% (linear load)					
Frequency	Synchronized with utility in mains mode, 50/60Hz±0.1% in battery mode					
Waveform	Sinusoidal					
Power factor	1					
Total harmonic distortion (THDv)	<1% (full linear load); <3% (full non-linear load according to IEC/EN62040-3)					
Crest factor	3:01					
Overload	<110%, 60min; 110%~125%,10min; 125%~150%,1min; >150%, 200ms					
BATTERIES						
DC voltage	Long time model: ±240VDC(selectable, 32-40pcs)					
Standard model battery	(10+10)x9AH	(20+20)x7AH	(20+20)x9AH	(15+15)x9Ah x 2 strings	/	
Charging current	10A max.				15A max.	20A max.
Charger voltage precision	1%					
SYSTEM						
Display	5 inch touch screen					
Efficiency	95% max.				96% max.	
Transfer time	0ms					
Interface	Standard:RS232, RS485, USB,Battery cold start Option:Programmable dry contact,SNMP,Parallel kit					
ENVIRONMENT						
Operating temperature	0 °C ~ 40 °C					
Storage temperature	-40 °C ~ 70 °C					
Relative humidity	0 ~ 95% (non condensing)					
Noise level at 1m	58dB max.				62dB max.	
Altitude	<1000m, load derated 1% per 100m from 1000 ~ 2000m					
OTHERS						
Dimensions (W×D×H)(mm)	250x720x560(S) 250x720x560(H)	250x800x700(S) 250x720x56(H)		250x840x930(S) 250x840x650(H)	250x720x560(H) 350x800x1280(S)	250x790x560(H)
Packaged dimensions (W×D×H)(mm)	350x800x722(S) 350x800x718(H)	350x900x862(S) 350x800x718(H)		350x950x1102(S) 350x980x810(H)	350x800x718(H) 450x900x1400(S)	350x850x818(H)
Net weight(kg)	82(S) 31(H)	131(S) 33(H)	145(S) 33(H)	215(S) 42(H)	42(H) 300(S)	48(H)
Gross weight(kg)	93(S) 40(H)	142(S) 42(H)	156(S) 42(H)	227(S) 52(H)	52(H) 310(S)	58(H)

