

# Three-phase online UPS ATP 990 HV

Power: 10~60KVA

Input Voltage: 380/400/415Vac Output

Output Voltage: 380/400/415Vac



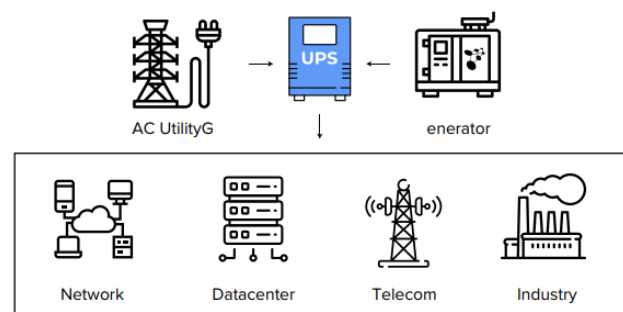
The ATP990 UPS (10-60KVA), is a intelligent and pure sine wave high-power, three-phase online equipment based on reliable, advanced and high-efficiency digital/analog hybrid technology. It offers advanced DSP control, 5-inch LCD touchscreen. Composed of advanced high-power IGBT and SCR for maximum performance.

## Characteristics

- 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.



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## Technical Specifications

MODEL	ATP9910	ATP9915	ATP9920	ATP9930	ATP9940	ATP9960
Power rating	10kVA/10kW	15kVA/15kW	20kVA/20kW	30kVA/30kW	40kVA/40kW	60kVA/60kW
<b>INPUT</b>						
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					
<b>OUTPUT</b>						
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	3:1					
Overload	<110%, 60min; 110%~125%,10min; 125%~150%,1min; >150%, 200ms					
<b>BATTERIES</b>						
DC voltage	Long time model: ±240VDC(selectable, 32-40pcs)					
Standard model battery voltage	(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%					
<b>SYSTEM</b>						
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					
<b>ENVIRONMENT</b>						
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					
<b>OTHERS</b>						
Dimensions (WxDxH)(mm)	250x720x560(S) 250x720x560(H)	250x800x700(S) 250x720x56(H)		250x840x930(S) 250x840x650(H)	250x720x560(H) 350x800x1280(S)	250x790x560(H)
Packaged dimensions (WxDxH)(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)

