

ATP-990 G5

40kVA ~ 120kVA

208V (3:3), PF 1.0



Features

- 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 92%, 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.
- 50/60Hz auto-sensing frequency.
- 50/60Hz frequency conversion mode.
- Work efficiency up to 98.5% 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: 20~28 pcs.
- Digitally controlled charger.
- Ability to switch on the UPS by battery in the absence of mains power (Cold start).
- Zero switching time for UPS power supply mode when the mains power is unstable, ensuring the output is uninterrupted.
- Compact internal layout, small footprint.
- 5/7 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.

Specifications

MODEL	ATP9940 G5	ATP9960 G5	ATP9980 G5	ATP99100 G5	ATP99120 G5
Power rating	40kVA/40kW	60kVA/60kW	80kVA/80kW	100kVA/100kW	120kVA/120kW
INPUT					
Rated voltage	208/220Vac (3Φ + N + PE)				
Voltage range	176-250Vac (L-L), full load				
	125V-176Vac (L-L), load decrease linearly according to the min phase voltage				
Rated frequency	50/60Hz				
Frequency range	40-70Hz				
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 inverter voltage	208/220Vac (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)	<2% (full linear load); <4% (full non-linear load according to IEC/EN62040-3)				
Crest factor	03:01				
Inverter overload	<110%, 60min; 110%~125%, 5min; 125%~150%, 1min; >150%, 200ms				
BATTERIES					
Long run model battery voltage	±120VDC(selectable, 20-28pcs)				
Charging current	30A	40A	60A		
Charger voltage precision	<1%				
SYSTEM					
Display	Default: 5-inch touch screen			Default: 7-inch touch screen	
Efficiency	92%				
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	<70dB				
Altitude	<1000m, load derated 1% per 100m from 1000-2000m				
OTHERS					
Dimensions(WxDxH) (mm)	360x800x1200	360x850x1200	440x850x1200		
Packaged dimensions(WxDxH) (mm)	450x870x1370	450x940x1370	530x940x1370		
Net weight(kg)	152	160	194	200	200
Gross weight(kg)	172	180	214	220	220

- All specifications are subject to change without notice.
- Custom-made specifications are acceptable.

