

UPS GAMAPOW GP900 series



3:1 phase PF 1.0

Power range: 10~20kVA



Segment LCD



TFT Colourful LCD



7 Inch Colourful LCD



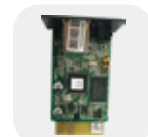
Battery Cabinet
(Optional)



Optimized Battery Configuration
7/9Ah

Features

- N+Xparallel redundancy, support maximum 4 units in parallel
- Online double conversion with DSP control
- Optimization battery group, the quantity of battery: 16/18/20pcs (32~40pcs supportable)
- Wide input voltage range: 208~478Vac
- Wide input frequency range: 40Hz~70Hz
- Input current harmonic: <3%
- Dual input source (Optional)
- Maximum charging current up to 18A (Settable)
- Support 3/1 and 1/1 operation
- Generator compatible
- ECO mode operation for energy saving
- Design with maintenance switch
- Cold start
- Intelligent fan speed regulation
- Self-testing when UPS startup
- 50/60Hz frequency converter mode
- Colorful 2.4 inch TFT LCD display and 7 inch LCD display
- LCD are optional
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- Multiple communication interface: RS232/RS485/USB/EPO
- /Dry contact port (Dry contact card/SNMP card/Parallel cable/Battery temperature sensor optional)



SNMP card



Dry contact card



SNMP card

Technical Specifications

MODEL		GP K9010H31	GP K9010S31	GP K9015H31	GP K9015S31	GP K9020H31	GP K9020S31
Capacity (VA/W)		10k/10k		15k/15k		20k/20k	
INPUT							
Nominal Voltage (Vac)		380/400/415 (3Ph+N+PE); 220/230/240 (L+N+PE)					
Operating Voltage Range (Vac)		208~478; 120~276					
Operating Frequency Range (Hz)		40~70 (50/60 Auto-Sensing)					
Power Factor		≥0.99					
Harmonic Distortion (THDi)		≤3% Linear load					
Bypass Voltage Range (Vac)		Max.voltage: 220: +25% (Optional +10%, +15%, +20%) 230: +20% (Optional +10%, +15%) 240: +15% (Optional +10%) Min.voltage: -45% (Optional -10%, -20%, -30%)					
Bypass Frequency Range (Hz)		50/60±10%					
OUTPUT							
Nominal Voltage (Vac)		220/230/240 (L+N+PE)					
Voltage Regulation		±1%					
Power Factor Output		1.0					
Frequency (Hz)		Line mode: ±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional); Bat. mode: (50/60±0.1%)					
Crest Factor Harmonic		3:1					
Distortion (THDv)		≤2% Linear load; ≤5% Non linear load					
Transfer Time (ms)		AC mode to Bat. mode: 0; Inverter to Bypass: 0					
Waveform		Pure Sinewave					
Overload	AC mode	Load≤110%: last 60min turn to bypass; ≤125%: last 10min turn to bypass; ≤150%: last 1min turn to bypass; ≥150% turn to bypass mode immediately					
	Bat.mode	Load≤110%: last 10min; ≤125%: last 1min; ≤150%: last 5s; ≥150%: shut down UPS immediately					
	Bypass mode	Breaker 2×32A Up to 93.5%		Breaker 2×50A		Breaker 2×63A	
Efficiency		Up to 94.5%					
AC Mode		Up to 94.5%					
ECO Mode		Up to 98%				Up to 98.2%	
BATTERY							
Battery Type		VRLA (Lead acid maintenance free battery)					
Battery Voltage (Vdc)	Standard unit	Chassis 1: ±120 (20pcs 9Ah) (20pcs 7Ah、 2×20pcs 7/9Ah optional)		±120 (2×20pcs 9Ah) (2×20pcs 7Ah optional)			
		Chassis 2: ±96 (16pcs 9Ah)					
	Long run unit	±96~±120 (16~20pcs, 16pcs default, Standard unit and 20pcs no power derating; 18pcs output power factor 0.9; 16pcs output power factor 0.8)					
		±192/204/216/228/240 (32/34/36/38/40pcs supportable)					
Charging Current (Max.) (A)		14	1.35 (2.7 Optional)	16	2.7	18	2.7
		Charging current can be set according to battery capacity					
MANAGEMENT							
LED Display		Line mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault					
LCD Display		Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time					
ENVIRONMENTAL							
Operating Temperature (°C)		0~40					
Storage Temperature (°C)		-25~55					
Humidity Range		0~95% (Non condensing)					
Altitude (m)		<1000, derating required between 1000 to 3000					
Noise Level (dB)		<55				<58	
PHYSICAL							
Dimension WxDxH (mm)	Standard unit	Chassis 1: 250×900×868		250×900×868			
		Chassis 2: 250×645×715					
Weight (kg)	Long run unit	Chassis 1: 125 (20pcs 9Ah)		250×580×655 180 (2×20pcs 9Ah)		181 (2×20pcs 9Ah)	
	Standard unit	Chassis 2: 78 (16pcs 9Ah)					
	Long run unit	33		37		38	
STANDARDS							
Safety		IEC/EN 62040-1, IEC/EN 62477-1					
EMC		IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2)					

- Specifications are subject to change without prior notice
- Data above are typical values for reference only, not as a basis for engineering design