

GP K990 Series



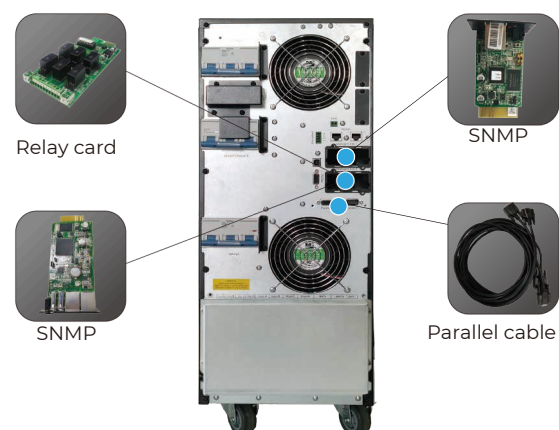
3:3 phase PF 1.0

Power range: 10kVA~40kVA



Features

- High power density design
- N+X parallel redundancy,support maximum 4 units in parallel
- Online double conversion with DSP control
- Input current harmonic: <3%
- Wide input voltage range: 208~478Vac
- Wide input frequency range 40~70Hz
- Optimization battery group, the quantity of battery
10~30kVA: 16/18/20pcs (30~50pcs supportable)
40kVA: 30~50pcs
- Maximum charging current up to 20A (Settable)
- Dual input source (Optional for standard unit)
- Colorful 2.4 inch TFT LCD display and 7 inch LCD display LCD are optional
- Versatile LCD human-computer interface
- Generator compatible
- ECO mode operation for energy saving
- Intelligent fan speed regulation
- Self-testing when UPS startup
- 50/60Hz frequency converter mode
- Cold start
- The output can meet 100% unbalanced load
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- Multiple communication interface: USB, RS232, RS485, Parallel port, Dry contact, Intelligent slot, SNMP card (Optional), Relay card (Optional), Battery temperature sensor (Optional)



**GAMAPOWER**

Technical Specifications:

MODEL		GP K9910 S/H33	GP K9915 S/H33	GP K9920 S/H33	GP K9930 S/H33	GP K9940 S/H33
Capacity		10kVA/10kW	15kVA/15kW	20kVA/20kW	30kVA/30kW	40kVA/40kW
MODEL						
Nominal voltage		380/400/415Vac (3Ph+N+PE)				
Operating voltage range		305~478Vac (Full load); 208~478Vac (50% load)				
Operating frequency range		40~70Hz (50/60Hz Auto-Sensing)				
Power factor		≥0.99				
Bypass voltage range		Max.voltage: 220V: +25% (Optional +10%, +15%, +20%)				
		230V: +20% (Optional +10%, +15%)				
		240V: +15% (Optional +10%)				
		Min.voltage: −45% (Optional −20%, −30%)				
Frequency protection range		50/60Hz±10%				
ECO range		Same as bypass				
Harmonic distortion (THDi)		≤3% Linear load				
OUTPUT						
Output voltage		380/400/415Vac (3Ph+N+PE) ±1%				
Voltage regulation		1.0				
Power Factor		±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional)				
Output frequency	Line mode	50/60 (±0.1%)Hz				
	Bat. mode					
Transfer time		AC mode to Bat.mode				
		0ms				
Output waveform		Inverter to Bypass				
		0ms				
		Pure Sinewave				
Crest factor		3:1				
Harmonic distortion (THDv)		≤2% Linear load				
		≤5% Non linear load				
Overload	AC mode	≤110% 60min, ≤125% 10min, ≤150% 1min, >150% immediately turn to bypass				
	Bat.mode	≤110% 10min, ≤125% 1min, ≤150% 5s, >150% immediately shut down				
EFFICIENCY						
Efficiency		up to 93.5%	up to 94.5%			
BATTERY						
Battery voltage	Standard unit	Chassis 1: ±120Vdc (20pcs 9Ah) (20pcs 7Ah, 2×20pcs 7/9Ah, 3×20pcs 7/9Ah optional)	±120Vdc (2×20pcs 9Ah) (2×20pcs 7Ah, 3×20pcs 7/9Ah optional)		±120Vdc(3×20pcs 9Ah) (3×20pcs 7Ah optional)	±180Vdc(2×30pcs 9Ah) (2×30pcs 7Ah optional)
		Chassis 2: ±96Vdc (16pcs 9Ah)				
	Long run unit	10~30kVA: ±96/108/120Vdc; battery quantity (16~20pcs, 16pcs default, Standard unit and 20pcs no power derating; 18pcs output power factor 0.8/0.9; 16pcs output power factor 0.7/0.8)				40kVA: ±180/192/204/216/228/240/252/264/276/288/300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs)
Charge Current	Standard unit	±180/192/204/216/228/240/252/264/276/288/300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs supportable)				
	Long run unit	1.35A (2.7A optional)	2.7A		4.05A	2.7A
		14A (Max.)	16A (Max.)	18A (Max.)	20A (Max.)	20A (Max.)
PHYSICAL						
Dimension W×D×H	Standard unit	Chassis 1: 250×900×868mm	250×900×868mm			
	Long run unit	Chassis 2: 250×645×715mm	250×580×655mm			
Net weight	Standard unit	Chassis 1: 129kg (20pcs 9Ah) Chassis 2: 80kg (16pcs 9Ah)	186kg (2×20pcs 9Ah)	187kg (2×20pcs 9Ah)	236kg (3×20pcs 9Ah)	239kg (2×30pcs 9Ah)
	Long run unit	35kg	39kg	40kg	43kg	46kg
ENVIRONMENTAL						
Operating temperature		0~40℃				
Storage temperature		-25~55℃ (No battery)				
Humidity range		0~95% (Non condensing)				
Altitude		<1500m, derating required when>1500m				
Noise level		<55dB	<58dB	<61dB	<64dB	
		IEC/EN 62040-1, IEC/EN 62477-1				
STANDARDS		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)				
Safety						
EMC						

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