

Giganet 10-80kVA is new generation power UPS , both input and output are three phase, the output factor is 0.9.The efficiency of this UPS is very high,it can achieve power saving and reduce cost of customer in result.



**3:3** Phase

**0.9** PF



Control Panel

**FEATURES**

Online-Double conversion
Output transfer time is 0ms
PF C technology
Full digital control (DSP)
Output power factor: 0.9
Input current harmonic: 3%
ECO function
Charging/Rectifier/Inverter fully digital control technology
Optimization battery group, the quantity of battery: 10- 30K(16/18/20 pcs optional) 40- 50K (32/34/36/38/40 pcs optional)
Wide input voltage range: 208-478Vac
Wide input frequency range: 40-70Hz
DC start
Communication port: USB/RS232 / RS485 / Parallel port / dry contact
Options: SNMP card/Relay card
LCD/ LED double display
Intelligent charging management
EPO function
Common battery group
The output can meet 100% unbalanced load

Model	GN-UPS-10KVAS	GN-UPS-15KVAS	GN-UPS-20KVAS	GN-UPS-30KVAS	GN-UPS-40KVAS	GN-UPS-60KVAS	GN-UPS-80KVAS
Capacity VA/Watts	10k / 9k	15k / 13.5k	20k / 18k	30k / 27k	40k / 36k	60k / 54k	80k / 72k
<b>INPUT</b>							
Nominal Voltage	380/400/415Vac, (3Ph+N+PE)						
Operating Voltage Range	208~478Vac						
Operating Frequency Range	45~ 55Hz at 50Hz / 54~ 66Hz at 60Hz (auto sensing)					40~ 70Hz	
Power Factor	≥0.99						
Bypass Voltage Range	380Vac Max.voltage: +25%(optional +10%,+15%,+20% ) 400Vac Max.voltage: +20%(optional +10%,+15% ) 415Vac Max.voltage: +15%(optional +10% ) Min. voltage: -45% (optional -20%,-30%)						
Bypass Frequency Range	Frequency synchronize tracing range: ±10%						
Eco Range	Same as the Bypass						
Hermonic Distortion	<3%(10% Linear Load)						
<b>OUTPUT</b>							
Output Voltage	380/400/415Vac (3Ph+N+PE)						
Power Factor	0.9						
Voltage Regulation	± 1%						
Frequency	Line Mode	± 1% / ± 2% / ± 4% / ± 5% / ± 10% of the rated frequency(optional)					
	Bat.Mode	(50/60 ± 0.1)Hz					
Crest Factor	3:1						
Harmonic Distortion	≤2% THD (Linear Load)						
	≤5% THD (Non-Linear Load)						
Effeciency	>93.5%						>94.5%
<b>BATTERY</b>							
Battery Voltage	Standard unit: ± 120Vdc(20pc 12V9AH); Long run unit Volt- age: ± 96 V/± 108V /± 120Vdc (16/18/ 20pcs optional)	Standard unit: ± 120Vdc(2x20pc 12V9AH); Long run unit Voltage: ± 96 V/± 108V /± 120Vdc (16/18/ 20pcs optional)	Standard unit: ± 120Vdc(3x- 20pc 12V9AH); Long run unit Voltage: ± 96 V/± 108V /± 120Vdc (16/18/ 20pcs optional)	Optional Voltage: ± 192V/± 204V/± 216V/± 228V/ ± 240Vdc(32/34/36/38/40pcs optional)			
Charge Current(A) ( charge current can be set according to battery capacity installed)	Standard unit: 1.35A Long run unit: Max.current 10A	Standard unit: 2.7A Long run unit: Max.current 10A	Standard unit: 4.5A Long run unit: Max.current 15A	Max.current 15A	Max.current 30A	Max.current 30A	
<b>SYSTEM FEATURES</b>							
Transfer Time	Mains To Battery: 0ms; Mains to Bypass: 0ms						
Overload	Load.,; 110%: last 60min.,; 125%: last 10min.,; 150%: last 1 min.,; a,150% change to bypass.						
Short Circuit	Hold Whole System						
Communication	SB,RS232, RS485, Parallel port, REPO port, Coupler dry contact, Intelligent slot, SNMP card (optional), Relay card (optional). LBS port (only 60~80k)						
<b>ENVIRONMENT</b>							
Operating Temperature	0~40° C						
Storage Temperature	-25° C~55° C						
Humidity Range	20~90% RH @ 0~40° C (Non Condensing)						
Altitude	< 1500m.When>1500m,lower the rated power for use						
Noise Level	<55dB	<58dB				<63dB	
<b>PHYSICAL</b>							
Dimensions WxDxH (mm)	828x250x868					828x360x868	
Weight (Kgs)	115/57	170/63	171/64	223/71	73	118	122
<b>STANDARDS</b>							
Safety	I EC/EN62040-1, IE C/EN60950-1						
EMC	I EC/EN62040-2, I EC61000-4-2,1EC61000-4-3,IEC61000-4-4,1EC61000-4-5,IEC61000-4-6, I EC61000-4-8						