

POWER SYSTEMS Giganet Three Phase 200-1000kVA True Online Double Conversion UPS

Product Overview

The GIGANET™ 200-1000kVA True Online Double Conversion Intelligent Online UPS comes in a Tower type design and offers the maximum power protection, to ensure clean power is supplied to Network equipment & servers and seamlessly switches to battery backup when inconsistent power is detected.



FEATURES

Wide input voltage range 138-485Vac, UPS will derate to 40% when input voltage is below 305V

Thickened conformal coating, applicable for harsh environment such as high heat, high humidity, dust, salt spray

High input power factor, it can be up to 0.99

3-level inverter topology, the efficiency can be up to 96%

THDi<3% (100% linear load)

The UPS will work in sleeping mode when the load is very small

LBS function can realize 2 independent UPS system work in synchronization, and it enhances the reliability of the system

Power Walk In function, it can reduce the start current impact to system, and it can reduce the capacity of generator

Support parallel expanded operation: maximum is 8 units

Support sharing batteries for the UPS in parallel

Batteries number of each group can be selected from 30 pieces to 50 pieces

Output power factor is 1.0, UPS can supply power to 100% unbalanced load

High adaptability for load, it can connect full inductive load or capacitive load

With 7 inches (Standard) and 10 inches (Optional) colorful touch LCD screen

Support SNMP, RS232, RS485, Dry contact interface

The information in this document is subject to change without prior notice and should not be construed as a commitment by Giganet Networking Solutions.

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POWER SYSTEMS Giganet Three Phase 200-1000kVA **Online Double Conversion UPS**

Product Specification

Seminal voltage S80/400/415Vac, (3Ph-N+PE)	Capacity (VA)		200k	250k	300k	400k	500k	600k	800k	1000k	
Imminative Diagrams 380400415Vas, (3Ph+N-PE)	INPUT										
April Apri		е				380/400/415V	ac. (3Ph+N+PE)				
April Apri	Operating volta	age range									
Source Factor Source Facto											
Semence distortion (THDI) S43% (100% linear load) Max. voltage: 2200: + 25% (Optional + 105%, + 15%, + 20%) 2300: + 20% (Optional + 105%, + 15%, + 20%) 2300: + 20% (Optional + 105%, + 15%) 2400: + 15%											
Max. voltage: 2201 + 25% (Optional + 105%, + 15%, + 20%) yapas voltage range 2301 + 20% (Optional + 105%, + 15%) yapas frequency range 240% + 15% (Optional + 10%) wower walk in Research in put R			****								
2300': +20% (Optional +10%, +15%) 2400': +15% (Optional +10%) 4100': +15% (Optional +10%) 4100': +15% (Optional +10%) 4100': +15% (Optional +10%) 4100': +15%	narmonic dist	ortion (THDI)									
ypass frequency range ypass frequency protection range: ± 10% ypass frequ											
Min. voltage: -45% (Cptional + 10%) Min. voltage: -45% (Cptional + 10%) All (Max) Support	Svpass voltage	e range									
ypass frequency range bower walk in Support S	bypass reliage range										
Support											
Support	Bypass frequency range		Frequency protection range: ±10%								
## STEMPLY Communication of the Passes mode 380/400/415Vac, (3Ph+N+PE)	Power walk in										
Sabidation 1.0	Generator input		Support								
1.0	DUTPUT										
1.0	Rated voltage		380/400/415Vac, (3Ph+N+PE)								
1.1% 1.1%	ower factor										
Line mode squency Sat mode Synchronize with input, when the input frequency > ± 10% ± 12%/± ± 2%/± ± 2%/± ± 2% optional), output 50/60 (± 0.1Hz)		tion	±1%								
Sequency Bat. mode (50/06 ± 0.1%)Hz 3:1											
Seest factor Singer Sing											
Sementic distortion (THDv) \$<1% with linear load; \$<3% with nonlinear load tricinency tr	, , , , , , , , , , , , , , , , , , , ,										
### ### ##############################											
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### ### ##############################						ир к	7 50 70				
### 36–50pcs output power factor 1.0, 32–34pcs output power factor 0.9, 30pcs output power factor 0.8) ###################################	ATTENT			+ 190/102/204/216	3/220/240/252/26	3//276/200/200\/4	(30/33/34/36/30	/AU/43/44/46/46/5	Once 26nce defaul	+	
#arging current #ASTEM FEATURES #TREATURES	Battery voltage										
NYSTÉM FEATURES Transfer time Subject Transfer time Subject Transfer time Subject Transfer time Subject S						, I I		/ 1 1	/		
Tansfer time	SYSTEM FEATURES Transfer time Overload Inverter mode		80A (Max.)	100A	(Max.)	140A (Max.)	180A (Max.)	200A (Max.)	280A (Max.)	340A (Max	
Newter mode Sysses mode Section Sectio											
Sypass mode 30°C: 135% for long term; 40°C: 125% for long term; >1000%, 100ms											
Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately											
Alarm and Switch off ielf-diagnostics	Bypass mode										
### delf-diagnostics ### delf											
Support Suppor											
Shut down UPS immediately (Turn to bypass optional) Shut down UPS immediately (Turn to bypass optional) Advanced Battery Management								rol			
Advanced Battery Management Loise suppression Luine Failure, Battery Low, Overload, System Fault Line Mode, Bypass Mode, Battery Low, Battery Fault, Overload & UPS Fault Line Mode, Bypass Mode, Battery Low, Battery Fault, Overload & UPS Fault Line Mode, Bypass Mode, Battery Low, Battery Fault, Overload & UPS Fault Input, Output, Battery, Command, Setting, Maintenance RS232, RS485, Parallel, LBS, Dry contact port, Relay card (Optional), SNMP card (Optional), Battery temperature sensor (Optional) Porating temperature ### Command	Backfeed protection		Support								
Complies with EN62040-3	EPO (Optional)		Shut down UPS immediately (Tum to bypass optional)								
Line Failure, Battery Low, Overload, System Fault Line Mode, Bypass Mode, Battery Low, Battery Fault, Overload & UPS Fault Line Mode, Bypass Mode, Battery Low, Battery Fault, Overload & UPS Fault Input, Output, Battery, Command, Setting, Maintenance RS232, RS485, Parallel, LBS, Dry contact port, Relay card (Optional), SNMP card (Optional), Battery temperature sensor (Optional) Entry Input, Output, Battery, Command, Setting, Maintenance RS232, RS485, Parallel, LBS, Dry contact port, Relay card (Optional), SNMP card (Optional), Battery temperature sensor (Optional) Entry Input, Output, Battery, Command, Setting, Maintenance RS232, RS485, Parallel, LBS, Dry contact port, Relay card (Optional), SNMP card (Optional), Battery temperature sensor (Optional) Entry Input, Output, Battery, Low, Battery, Low, Battery, Fault, Overload & UPS Fault Input, Output, Battery, Low, Command, Setting, Maintenance RS232, RS485, Parallel, LBS, Dry contact port, Relay card (Optional), SNMP card (Optional), Battery temperature sensor (Optional) Entry Input, Output, Battery, Low, Battery, L	Battery										
Line Mode, Bypass Mode, Battery Low, Battery Fault, Overload & UPS Fault langut, Output, Battery, Command, Setting, Maintenance communication interface cNVIRONMENTAL Deparating temperature demanding range districted command setting, Maintenance communication interface cNVIRONMENTAL Deparating temperature districted command setting, Maintenance command, Setting, Ma	Noise suppression		Complies with EN62040-3								
Input, Output, Battery, Command, Setting, Maintenance RS232, RS485, Parallel, LBS, Dry contact port, Relay card (Optional), SNMP card (Optional), Battery temperature sensor (Optional) poperating temperature torage temperature torage temperature fundify range fundify range for ~40°C for age temperature for ~40°C for age temperature fundify range fundify range for ~40°C for age temperature for age temperature	Audible & visual alarms		Line Failure, Battery Low, Overload, System Fault								
RS232, RS485, Parallel, LBS, Dry contact port, Relay card (Optional), SNMP card (Optional), Battery temperature sensor (Optional) OC ~ 40°C totrage temperature totrage temperature Uniquity range Uniqui	Status LED & LCD display		Line Mode, Bypass Mode, Battery Low, Battery Fault, Overload & UPS Fault								
RS232, RS485, Parallel, LBS, Dry contact port, Relay card (Optional), SNMP card (Optional), Battery temperature sensor (Optional)	Reading on the LCD display										
## Sperating temperature ## Sperature ## Sp	Communication interface		RS232, RS485, Parallel, LBS, Dry contact port, Relay card (Optional), SNMP card (Optional), Battery temperature sensor (Optional)								
Contrage temperature	ENVIRONME	NTAL									
Internal	Operating temp	oerature				0℃	~40℃				
######################################	Storage temperature										
Stitude	Humidity range										
Color Colo	Altitude		· 5/								
##YSICAL Jimension	Noise level		< 6	5dB					< 73dB	< 75dB	
S			(0)		,	0000	\ 1	000	17000	1,000	
V×D×H F 600×850×2000mm 1200×850×2000mm 2000×850×2000mm 2000×850×2000mm 1200×850×2000mm 2000×850×2000mm 2000×2000mm 2000×2000×		0									
iet weight 360kg 400kg 480kg 530kg 800kg 890kg 1450kg 1600kg TANDARDS afety IEC/EN 62040-1, IEC/EN 62477-1		S		600 × 850	× 2000mm		1200 × 850	×2000mm	2000 × 850)×2000mm	
TANDARDS afety IEC/EN 62040-1, IEC/EN 62477-1	V × D × H	F									
afety IEC/EN 62040-1, IEC/EN 62477-1	let weight		360kg	400kg	480kg	530kg	800kg	890kg	1450kg	1600kg	
	TANDARDS										
MC EC/EN 62040-2 (IEC 61000-2-2, 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)	afety										
	MC		IEC/EN 62040-	-2 (IEC 61000-2-2, I	EC 61000-4-2, IEC	C 61000-4-3, IEC 610	000-4-4, IEC 61000	-4-5, IEC 61000-4-	-6, IEC 61000-4-8, IE	C 61000-4-11)	

S: Without or only with one maintenance bypass breaker

F: With mains, bypass, maintenance bypass and output breakers
1. Specifications are subject to change without prior notice

^{2.} Data above are typical values for reference only, not as a basis for engineering design



POWER SYSTEMS Giganet Three Phase 200-1000kVA Online Double Conversion UPS

Ordering Information

Part Number	Product Description				
GN-UPS-200KVA-TE	Giganet 3-Phase Online Double Conversion UPS 200kVA Tower, External VRLA batteries,				
	SNMP Card, Higher Efficiency				
GN-UPS-250KVA-TE	Giganet 3-Phase Online Double Conversion UPS 250kVA Tower, External VRLA batteries,				
ON-01 0-200KVA-1L	SNMP Card, Higher Efficiency				
CN LIDE 200KVA TE	Giganet 3-Phase Online Double Conversion UPS 300kVA Tower, External VRLA batteries,				
GN-UPS-300KVA-TE	SNMP Card, Higher Efficiency				
GN-UPS-400KVA-TE	Giganet 3-Phase Online Double Conversion UPS 400kVA Tower, External VRLA b				
GN-0F3-400KVA-TE	SNMP Card, Higher Efficiency				
GN-UPS-500KVA-TE	Giganet 3-Phase Online Double Conversion UPS 500kVA Tower, External VRLA batteries,				
GN-OF S-300KVA-TL	SNMP Card, Higher Efficiency				
GN-UPS-600KVA-TE	Giganet 3-Phase Online Double Conversion UPS 600kVA Tower, External VRLA batteries,				
GN-UPS-000KVA-TE	SNMP Card, Higher Efficiency				
GN-UPS-800KVA-TE	Giganet 3-Phase Online Double Conversion UPS 800kVA Tower, External VRLA batteries,				
GIN-UF 3-000KVA-TE	SNMP Card, Higher Efficiency				
GN-UPS-1000KVA-TE	Giganet 3-Phase Online Double Conversion UPS 1000kVA Tower, External VRLA				
GN-01 0-1000KVA-1L	batteries, SNMP Card, Higher Efficiency				

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