

Giganet 1-3kVA is new generation small power UPS, both input and output are single phase, the output factor is 1. The efficiency of this UPS is very high, it can achieve power saving and reduce cost of customer in result. This UPS includes SNMP Card and rails.



1:1 Phase

1.0 PF

3 Types of LCD Available



Colorful LCD



Gray LCD



Blue LCD



LCD Panel Can be Rotated

FEATURES
Includes SNMP Card and Rails
Online Double Conversion
Wide Input Voltage Range (110~300 Vac)
Input Power Factor 1 ( With PFC)
Output Power Factor 1.0
Rack Mounted and floor standing tower can be converted
Maximum Charging Current 12A (Long Run Unit)
Charging Current can be set by LCD (Long Run Unit)
50Hz/60Hz Frequency Converter Mode
Emergency Power Off Function (EPO)
ECO Mode Operation for Energy Saving
Generator Compatible
SNMP+USB+RS232 Multiple Communications
Smart Charging Design for Optimal Performance
Support Lithium Battery and BMS



Battery Cabinet



3kVA UPS Standard Unit



SNMP



Relay Card

Model		GN-UPS-1KVAS-RT			GN-UPS-2KVAS-RT			GN-UPS-3KVAS-RT		
Capacity VA/Watts		1000VA/1000W			2000VA/2000W			3000VA/3000W		
Phase		Single Phase With Ground								
INPUT										
Nominal Voltage		200/208/220/230/240 Vac								
Operating Voltage Range	Low Voltage of Transferring to Bypass	160Vac ± 5%@100%-80% load 140Vac ± 5%@ 80%-70% load 120Vac ± 5%@70%-60% load 100Vac ± 5%@ 60%-0% load(Ambient Temp <35° C)								
	Low Threshold Voltage of Recovering from Bypass	175Vac ± 5%@100%-80% load 155Vac ± 5%@ 80%-70% load 135Vac ± 5%@70%-60% load 125Vac ± 5%@ 60%-0% load(Ambient Temp <35° C)								
	High Voltage of Transferring to Bypass	300Vac ± 5%								
	High Threshold Voltage of Recovering from Bypass	290Vac ± 5%								
Input Voltage Range		55-150Vac or 110-300Vac@60% load. 80-15-45 Vac or 160-300Vac@100%								
Operating Frequency Range		40-70Hz								
Power Factor		1								
Generator Input		Support								
OUTPUT										
Output Voltage		200/208/220/230/240Vac								
Power Factor		1.0								
Voltage Regulation		± 5%								
Frequency	Line Mode (Synchronized Range)	47-53Hz or 53-67Hz								
	Bat.Mode	(50/60 ± 0.1)Hz								
Crest Factor		3:1								
Harmonic Distortion		≤2% THD (Linear Load)								
		≤2% THD (Non-Linear Load)								
Waveform		Pure Sinewave								
Transfer Time	Ac Mode <-> Bat.Mode	Zero								
	Inverter <-> Bypass	4ms(Typically)								
EFFECIENCY										
AC-Mode		88%			92%			92%		
Battery Mode		85%			88%			90%		
BATTERY										
Battery Type		12V9AH	Depends on Capacity of External Batteries		12V9AH	Depends on Capacity of External Batteries		12V9AH	Depends on Capacity of External Batteries	
Numbers		2	2	3	4	4	6	6	6	8
Backup Time		Depends on Capacity of External Batteries								
Typical Recharging Time (Standard Time)		4 Hours Recover 90% Capacity								
Charging Voltage		24.7VDC ± 1%	24.7VDC ± 1%	41.1VDC ± 1%	54.7VDC ± 1%	54.7VDC ± 1%	82.1VDC ± 1%	82.1VDC ± 1%	82.1VDC ± 1%	109.4VDC ± 1%
Charging Current Max		1A or 2A	12A Max Can be Set on LCD		1A or 2A	12A Max Can be Set on LCD		1A or 2A	12A Max Can be Set on LCD	
SYSTEM FEATURES										
Line Mode Battery Mode	Ambient Temp <35° C	105%-110% : UPS Transfer to Bypass after 10 Minutes When the utility is in Normal 110%-130% : UPS Transfer to Bypass after 1 Minute When the utility is in Normal 130%-150%: UPS Transfer to Bypass after 5 Seconds When the utility is in Normal >150%: UPS Transfer to Bypass Immediately When the utility is in Normal								
	<35° C Ambient Temp <40° C	105%-110%: UPS Transfer to Bypass after 5 Minutes When the utility is in Normal 110%-130% : UPS Transfer to Bypass after 1 Minute When the utility is in Normal >130% : UPS Transfer to Bypass after Immediately When the utility is in Normal								

Short Circuit	Hold Whole System									
Overheat	Line Mode Switch to Bypass; Backup Mode: Shutdown UPS Immediately									
Battery Low	Alarm and Switch Off									
EPO (Optional)	Shutdown UPS Immediately									
Audible and Visual Alarms	Line Failure, Battery Low, Overload, System Fault									
Communication Interface	USB,RS232,SNMP Card(Optional) Relay Card									
<b>PHYSICAL</b>										
Dimension WxDxH (mm)	440x305x86.5			440x460x86.5		440x435x86.5		440x600x86.5 / 440x460x131		440x435x86.5
Net Weight ( kgs)	11.3	5.6	5.6	19.1	8.3	8.3	26.2/25.8		8.6	8.6
<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									
Noise Level	Less Than 50dBA at 1 Meter									
<b>STANDARDS</b>										
Safety	IEC/EN62040-1/EN60960-1									
EMC	IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8									

## ORDERING INFORMATION

PART NUMBER	DESCRIPTION
GN-UPS-1KVAS-RT	GIGANET™ Smart Double online Conversion UPS 1kVA Rack/ Tower Single Phase, PF 1.0, Internal VRLA batteries , SNMP Card , with Mounting Rails / Multifunctional Brackets
GN-UPS-2KVAS-RT	GIGANET™ Smart Double online Conversion UPS 2kVA Rack/ Tower Single Phase, PF 1.0, Internal VRLA batteries , SNMP Card , with Mounting Rails / Multifunctional Brackets
GN-UPS-3KVAS-RT	GIGANET™ Smart Double online Conversion UPS 3kVA Rack/ Tower Single Phase, PF 1.0, Internal VRLA batteries , SNMP Card , with Mounting Rails / Multifunctional Brackets