GIGANET UPS-RT Series
Online Transformerless UPS series 1~3KvA

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

0.9 PF

FEATURES
Includes SNMP Card and Rails
Online Double Conversion
Wide Input Voltage Range (110~300 Vac)
Input Power Factor 0.9 (With PFC)
Output Power Factor 0.9
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 Opertation for Energy Saving
Generator Compatible
SMNP+USB+RS232 Multiple Commincations
Smart Charging Design for Optimal Performance
Support Lithium Battery and BMS

3 Types of LCD Available

Colorful LCD

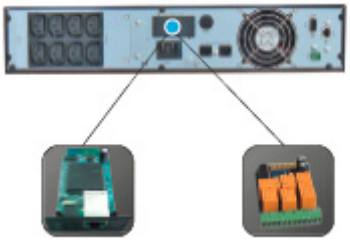
Gray LCD

Blue LCD

LCD Panel Can be Rotated

Battery Cabinet

3KvA UPS Standard Unit



SMNP Relay Card

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GIGANET UPS-RT Series
Online Transformerless UPS 1~3KvA

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 Transfering 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 Threashold Voltage of Recov-ering 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 Transfering to Bypass	300Vac ± 5%		
	High Threashold Voltage of Recov-ering 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		0.9		
Genarator Input		Support		
OUTPUT				
Output Voltage		200/208/220/230/240Vac		
Power Factor		0.9		
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

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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 Visuall Alarms	Line Failure, Battery Low, Overload, System Fault								
Communication Interface	USB,RS232,SNMP Card(Optional) Relay Card								
PHYSICAL									
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
ENVIRONMENT									
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 Then 50dBA at 1 Meter								
STANDARDS									
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 0.9, 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 0.9, 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 0.9, Internal VRLA batteries , SNMP Card , with Mounting Rails / Multifunctional Brackets