

Product Overview

The GIGANET™ 1-3kVA Lithium-ion online double-conversion UPS is ideal for small-scale scenarios. It eliminates grid issues, supports rack-mount installation, and operates at up to 96% efficiency in ECO mode. The compact design and high-power density, along with Giganet lithium battery backup, save installation space. It supports automatic start-up and is suitable for unmanned sites. Optional intelligent cards enable comprehensive UPS status monitoring.

3 kinds of LCD can be selected



Cost-effective
Blue LCD



Premium
Colorful LCD



Advanced
Touch Screen

Images are for illustration purposes only; the actual product may vary.

FEATURES

Rack/Tower convertible design
Online double conversion with full digital control
Built-in lithium battery with more than 2000 times cycle life
Reliable BMS protection
Wide input voltage range: 110~300Vac
Input power factor 0.99 with PFC
Selectable output voltage: 208/220/230/240Vac
Smart charger design for optimized battery performance
Emergency power off function (EPO)
ECO mode operation for energy saving
Generator compatible
Hot-Swappable battery design
Multiple communication interface: RS232 (USB/EPO/Dry contact card/SNMP card optional)
Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
IEC 62133 (Cell)/IEC 62619 (Pack)/UN 38.3 (Transportation) certificate

Product Specification

MODEL	GN-UPS-1KVAS-LI-RT	GN-UPS-2KVAS-LI-RT	GN-UPS-3KVAS-LI-RT
Capacity	1000VA/1000W	2000VA/2000W	3000VA/3000W
INPUT			
Nominal voltage	208/230/240Vac		
Input voltage range	110 ~ 300Vac (176 ~ 264Vac @ 100% load)		
Power factor	≥0.99		
FREQUENCY			
Frequency range	40-70Hz (50/60Hz Auto-Sensing)		
OUTPUT			
Output voltage	208/230/240Vac		
Voltage regulation	±1%		
Power factor	1.0		
Output Frequency	46~54Hz/56~64Hz, synchronize with input		
Line mode			
Batt. mode	50/60±0.1Hz		
Crest factor	3:1		
Harmonic distortion (THDv)	≤3% Linear load ≤5% Non linear load		
Transfer time	0ms		
AC mode to Batt.mode			
Inverter to Bypass	4ms (Typical)		
Output waveform	Pure Sinewave		
EFFICIENCY			
AC mode	90.5%	92%	92%
ECO mode	95%	96%	96.5%
BATTERY			
Battery type	LiFePO4		
Backup time (Full load)	9 mins	9 mins	9 mins
Battery voltage	25.6Vdc	76.8Vdc	76.8Vdc
Charge current (Max.)	2A		
INDICATORS			
LED/LCD display	Line mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault		
ALARM			
Battery mode	Beeping every 4 seconds		
Battery low	Beeping every second		
Overload	Beeping twice every second		
Fault	Continuously beeping		
PHYSICAL			
Dimension W×D×H	440×325×86.5mm	440×500×86.5mm	440×640×86.5mm
Net weight	10kg	16.5kg	23kg
ENVIRONMENT			
Operating temperature	0°C ~ 40°C		
Humidity range	0 ~ 95%RH (Non condensing)		
Altitude	0-3000m (1000-3000 derating required)		
Noise level	<50dB		<55dB
STANDARDS			
Safety	IEC/EN 62040-1, IEC/EN 62477-1, IEC 62133 (Cell), IEC 62619 (Pack)		
EMC	IEC/EN 62040-2		
Transportation	UN38.3		

1. Data above are typical values for reference only, not as a basis for engineering design
2. When output voltage is 208Vac, need to derate to 80% of the unit capacity



Ordering Information

Part Number	Product Description
GN-UPS-1KVAS-LI-RT	Giganet Single Phase Online Double Conversion Lithium-ion UPS 1kVA Rack Mounted, Internal Li-on batteries, SNMP Card with Mounting Rails / Multifunctional Brackets, Standard Backup Time
GN-UPS-2KVAS-LI-RT	Giganet Single Phase Online Double Conversion Lithium-ion UPS 2kVA Rack Mounted, Internal Li-on batteries, SNMP Card with Mounting Rails / Multifunctional Brackets, Standard Backup Time
GN-UPS-3KVAS-LI-RT	Giganet Single Phase Online Double Conversion Lithium-ion UPS 3kVA Rack Mounted, Internal Li-on batteries, SNMP Card with Mounting Rails / Multifunctional Brackets, Standard Backup Time