

## Product Overview

The GIGANET™ 6-10kVA Lithium-ion online double-conversion UPS is an online double-conversion UPS, ideal for small-scale scenarios. It eliminates grid issues, supports rack-mount installation, and operates at up to 96% efficiency. The compact design and high-power density, along with R-series 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.



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

### FEATURES

Under dual conversion mode, efficiency reaches up to 96%, highly efficient and energy-saving.
In ECO mode, efficiency reaches up to 99%, providing economic and reliable performance.
Ultra-wide voltage input range, easily copes with harsh electricity environments.
Advanced DSP control technology, with self-fault diagnosis and processing capabilities.
Independent air duct design, ensuring more reliable overall operation.
Long-life lithium iron phosphate battery design, with a service life of up to 10 years, no need to replace batteries.
Optimized grid adaptability, perfect compatibility with generators.
Comprehensive warning and protection functions, automatic start-up detection, ensuring equipment safety.
Automatic mains start-up, supports unmanned operation.
Intelligent screen displays parameters, providing clear equipment status.
Compact size, flexible installation, effectively saving installation space.
Digital control, ultra-long endurance, supports low-current discharge.
Support SNMP, RS232, dry contact

## Product Specification

Parameters		Values		
<b>Capacity</b>		6kVA/5400W	8kVA/7200W	10kVA/9000W
<b>Topology</b>		Double Conversion Online UPS		
<b>Phase</b>		Single Phase Input Single Phase Output		
<b>Mains Input</b>	<b>Wiring</b>	L/N+PE		
	<b>Rated Voltage</b>	220/230/240VAC		
	<b>Voltage Range</b>	90~300VAC		
	<b>Frequency Range</b>	40Hz~70Hz		
	<b>Input Power Factor</b>	≥ 0.99		
<b>AC Output</b>	<b>Wiring</b>	L/N+PE		
	<b>Output Voltage</b>	220/230/240VAC		
	<b>Voltage Regulation</b>	±1%		
	<b>Output Frequency</b>	50/60±4Hz(Sync Mode) / 50/60Hz±0.1%(Free Run)		
	<b>Waveform</b>	Sine Wave		
	<b>Distortion (THDV%)</b>	<1%(Linear Load)		
		<6%(None-Linear Load)		
<b>Over load capability</b>	10Min@105%~125%Rated Load			
	60Sec.@125%~150%Rated Load			
	0.5Sec.@>150%Rated Load			
<b>Efficiency</b>	<b>Mains Mode</b>	>96%	>96%	>96%
	<b>Battery Mode</b>	>90%		
<b>Battery &amp; Charger</b>	<b>Rated Battery Voltage</b>	192VDC-240VDC		
	<b>Battery Capacity</b>	External Battery Depends		
	<b>Backup Time</b>			
	<b>Float Charge Voltage</b>	227.2V(3.55x64s) / 284V(3.55x80s)Customized according to battery request		
	<b>Charging Current</b>	4A (standard)		
<b>Physical</b>	<b>Chassis Style</b>	RACK		
	<b>Rack Dimension</b>	438x88(2U)X500mm		
	<b>Weight</b>	10.8kg	12.6kg	12.6kg
<b>HMI</b>	<b>LCD DISPLAY with LED indicator</b>	Input/Output Voltage, Frequency, Load level, Operation Mode, Health Status		
	<b>Communication Port</b>	1. RS232 PORT 2. Network Card: Support SNMP,TCP/IP Protocol , for remote monitor the UPS via Smart Phone APP, Web page, PC Monitor Software , Support Server / NAS shutdown		
	<b>BMS Port</b>	1.Modbus 2. Control BMS (Battery Management System) charge and discharge dry contact		
<b>Operating Environment Endurance</b>	<b>Temperature Range</b>	-10~50		
	<b>Relative Humidity</b>	0-98% (Non-condensing)		
	<b>Acoustics Noise</b>	<55dB @ 1 meters		

## Ordering Information

Part Number	Product Description
GN-UPS-R6KSV-LI-R	Giganet Single Phase Online Double Conversion Lithium-ion UPS 6kVA Rack Mounted, Internal/External Li-on batteries, SNMP Card with Mounting Rails / Multifunctional Brackets
GN-UPS-R8KSV-LI-R	Giganet Single Phase Online Double Conversion Lithium-ion UPS 8kVA Rack Mounted, Internal/External Li-on batteries, SNMP Card with Mounting Rails / Multifunctional Brackets
GN-UPS-R10KSV-LI-R	Giganet Single Phase Online Double Conversion Lithium-ion UPS 10kVA Rack Mounted, Internal/External Li-on batteries, SNMP Card with Mounting Rails / Multifunctional Brackets