

Product Overview

The GIGANET™ 10-50kVA double-conversion Intelligent Online UPS comes in a Rack / Tower convertible 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

Double conversion online design
Input power factor correction (PFC) technology, input power factor up to 0.99
Digital signal process (DSP) makes the system more stable and reliable
Parallel cabinet is not required, it can be paralleled directly; 10~30kVA can be paralleled by 4 sets, 40~50kVA by 6 sets
LBS synchronization (40~50kVA)
Battery pack can be common connection in parallel operation
30~50 pcs batteries are settable
Suitable for complete unbalanced load
Users can set the charging current, constant current, constant voltage and floating charging three-stage charging management automatic smooth switch
Output overload, output short circuit, inverter over temperature, battery under voltage warning and battery overcharge protection
Static electronic bypass switches
DC start function.
Fan intelligent speed regulation design, prolong fan life, high efficiency and energy saving.
EPO (Emergency Power Off) function
LED+LCD Display

Product Specification

Capacity	10kVA/10kW	15kVA/15kW	20kVA/20kW	25kVA/25kW	30kVA/30kW	40kVA/40kW	50kVA/50kW	
INPUT								
Nominal voltage	380/400/415Vac, (3Ph+N+PE)							
Operating voltage range	138~485Vac							
Operating frequency range	40Hz~70Hz							
Power factor	≥0.99							
Harmonic distortion (THDi)	≤3% Linear load							
Bypass voltage range	Max.voltage:220V:+25% (Optional+10%,+15%,+20%) 230V:+20% (Optional+10%,+15%) 240V:+15% (Optional+10%) Min.voltage:-45% (Optional-10%,-15%,-20%,-30%)							
Frequency synchronize tracing range	±10%							
Generator input	Support							
OUTPUT								
Output voltage	380/400/415Vac (3Ph+N+PE)							
Voltage regulation	±1%							
Power factor	1.0							
Output frequency	Line Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional)						
	Bat. Mode	(50/60±0.1%)Hz						
Crest factor	3:1							
Harmonic distortion (THDv)	≤2% with linear load ≤5% with non linear load					≤2% with linear load ≤4% with non linear load		
Overload	Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min							
EFFICIENCY								
Efficiency	up to 95.5%							
BATTERY								
Battery voltage	Optional Voltage: ±180V/±192V/±204V/±216V/±228V/±240/±252/±264/±276/±288/±300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs optional) 360Vdc~600Vdc (30~50pcs, 30pcs default, 36~50pcs no power derating; 32~34pcs output power factor 0.9; 30pcs output power factor 0.8)							
Charge Current(A)	18A Max.					20A Max.		
SYSTEM FEATURES								
Transfer time	Utility to Battery: 0ms; Utility to Bypass: 0ms							
Alarm	overload, utility abnormal, UPS fault, battery low, etc.							
Backfeed	Support							
Protection	short circuit, overload, over temperature, battery low, fan fault alarm							
Communication	USB, RS232, RS485, Parallel port, Dry contact port, REPO port, Backfeed port, SNMP card (Optional), Battery temperature sensor (Optional)					REPO port, LBS port, Dry contact port (Backfeed/Battery breaker driver), SNMP card (Optional), Relay card (Optional), Battery temperature sensor (Optional)		
ENVIRONMENTAL								
Operating temperature	0°C~40°C							
Storage temperature	-25°C~55°C(No battery)							
Humidity range	0~95% (Non condensing)							
Altitude	<1500m, derating required when>1500m							
Noise level	<55dB					<56dB <58dB		
PHYSICAL								
Dimension W×D×H (mm)	440×670×130 (3U)					440×800×175 (4U)		
Net weight (kg)	25	27	28	45	48			
STANDARDS								
Safety	IEC/EN 62040-1, IEC/EN 62477-1							
EMC	IEC/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)							

Ordering Information

Part Number	Product Description
GN-UPS-10KVA-3RT	Giganet 3-Phase Online Double Conversion UPS 10kVA Rack Mount/Tower Convertible External VRLA batteries, SNMP Card with Mounting Rails / Multifunctional Brackets
GN-UPS-15KVA-3RT	Giganet 3-Phase Online Double Conversion UPS 15kVA Rack Mount/Tower Convertible External VRLA batteries, SNMP Card with Mounting Rails / Multifunctional Brackets
GN-UPS-20KVA-3RT	Giganet 3-Phase Online Double Conversion UPS 20kVA Rack Mount/Tower Convertible External VRLA batteries, SNMP Card with Mounting Rails / Multifunctional Brackets
GN-UPS-25KVA-3RT	Giganet 3-Phase Online Double Conversion UPS 25kVA Rack Mount/Tower Convertible External VRLA batteries, SNMP Card with Mounting Rails / Multifunctional Brackets
GN-UPS-30KVA-3RT	Giganet 3-Phase Online Double Conversion UPS 30kVA Rack Mount/Tower Convertible External VRLA batteries, SNMP Card with Mounting Rails / Multifunctional Brackets
GN-UPS-40KVA-3RT	Giganet 3-Phase Online Double Conversion UPS 40kVA Rack Mount/Tower Convertible External VRLA batteries, SNMP Card with Mounting Rails / Multifunctional Brackets
GN-UPS-50KVA-3RT	Giganet 3-Phase Online Double Conversion UPS 50kVA Rack Mount/Tower Convertible External VRLA batteries, SNMP Card with Mounting Rails / Multifunctional Brackets