

Product Overview

The GIGANET™ 10-40kVA True Online Double Conversion Intelligent UPS comes in a tower type 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
Wide input voltage range 138-485Vac (Phase voltage 80-280Vac), no derating when input voltage \geq 305Vac
High input power factor, it can be up to 0.99
3-level inverter topology, the efficiency can be up to 95.5%
Support parallel expanded operation: maximum is 8 units
Support sharing batteries for the UPS in parallel
Batteries number of each group can be selected from 30 pieces to 50 pieces
Large charging current can meet the requirement of long time backup
Output power factor is 1.0, UPS can supply power to 100% unbalance load
High adaptability for load, it can connect full inductive load or capacitive load
Power Walk In function, it can reduce the start current impact to system, and it can reduce the capacity of generator
LBS function can realize 2 independent UPS system work in synchronization, and it enhances the reliability of the system
Support USB, RS485, RS232, SNMP, dry contact card

Product Specification

Capacity	10kVA/9kW	15kVA/13.5kW	20kVA/18kW	30kVA/27kW	40kVA/36kW	
INPUT						
Nominal voltage	380/400/415Vac (3Ph+N+PE)					
Operating voltage range	305~478Vac (Full load); 208~478Vac (50% load)					
Operating frequency range	40~70Hz (50/60Hz Auto-Sensing)					
Power factor	≥0.99					
Bypass voltage range	Max.voltage: 220V: +25% (Optional +10%, +15%, +20%) 230V: +20% (Optional +10%, +15%) 240V: +15% (Optional +10%) Min.voltage: -45% (Optional -20%, -30%)					
Frequency protection range	50/60Hz±10%					
ECO range	Same as bypass					
Harmonic distortion (THDi)	≤3% Linear load					
OUTPUT						
Output voltage	380/400/415Vac (3Ph+N+PE)					
Voltage regulation	±1%					
Power factor	0.9					
Output frequency	Line mode	±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional)				
	Bat. mode	50/60 (±0.1%)Hz				
Transfer time	AC mode to Bat.mode	0ms				
	Inverter to Bypass	0ms				
Output waveform	Pure Sinewave					
Crest factor	3:1					
Harmonic distortion (THDv)	≤2% Linear load ≤5% Non linear load					
Overload	AC mode	≤110% 60min, ≤125% 10min, ≤150% 1min, >150% immediately turn to bypass				
	Bat.mode	≤110% 10min, ≤125% 1min, ≤150% 5s, >150% immediately shut down				
EFFICIENCY						
Efficiency	up to 93.5%		up to 94.5%			
BATTERY						
Battery voltage	Standard unit	Chassis 1: ±120Vdc (20pcs 9Ah) (20pcs 7Ah, 2×20pcs 7/9Ah, 3×20pcs 7/9Ah optional) Chassis 2: ±96Vdc (16pcs 9Ah)	±120Vdc (2×20pcs 9Ah) (2×20pcs 7Ah, 3×20pcs 7/9Ah optional)	±120Vdc(3×20pcs 9Ah) (3×20pcs 7Ah optional)	±180Vdc(2×30pcs 9Ah) (2×30pcs 7Ah optional)	
	Long run unit	10~30kVA: ±96/108/120Vdc; battery quantity (16~20pcs, 16pcs default, Standard unit and 20pcs no power derating; 18pcs output power factor 0.8/0.9; 16pcs output power factor 0.7/0.8)			40kVA: ±180/192/204/216/ 228/240/252/264/276/288/ 300Vdc (30/32/34/36/38/40/ 42/44/46/48/50pcs)	
Charge Current	Standard unit	1.35A (2.7A optional)	2.7A	4.05A	2.7A	
	Long run unit	14A (Max.)	16A (Max.)	18A (Max.)	20A (Max.)	20A (Max.)
PHYSICAL						
Dimension W×D×H	Standard unit	Chassis 1: 250×900×868mm Chassis 2: 250×645×715mm	250×900×868mm			
	Long run unit	250×580×655mm				
Net weight	Standard unit	Chassis 1: 129kg (20pcs 9Ah) Chassis 2: 80kg (16pcs 9Ah)	186kg (2×20pcs 9Ah)	187kg (2×20pcs 9Ah)	236kg (3×20pcs 9Ah)	239kg (2×30pcs 9Ah)
	Long run unit	35kg	39kg	40kg	43kg	46kg
ENVIRONMENTAL						
Operating temperature	0~40°C					
Storage temperature	-25~55°C (No battery)					
Humidity range	0~95% (Non condensing)					
Altitude	<1500m, derating required when>1500m					
Noise level	<55dB		<58dB	<61dB	<64dB	
STANDARDS						
Safety	IEC/EN 62040-1, IEC/EN 62477-1					
EMC	IEC/EN 62040-2 (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, IEC 61000-2-2)					

Ordering Information

Part Number	Product Description
GN-UPS-10KVAX-T	Giganet 3-Phase Online Double Conversion UPS 10kVA Tower, In-Built / External VRLA batteries, SNMP Card
GN-UPS-15KVAX-T	Giganet 3-Phase Online Double Conversion UPS 15kVA Tower, In-Built / External VRLA batteries, SNMP Card
GN-UPS-20KVAX-T	Giganet 3-Phase Online Double Conversion UPS 20kVA Tower, In-Built / External VRLA batteries, SNMP Card
GN-UPS-30KVAX-T	Giganet 3-Phase Online Double Conversion UPS 30kVA Tower, In-Built / External VRLA batteries, SNMP Card
GN-UPS-40KVAX-T	Giganet 3-Phase Online Double Conversion UPS kVA Tower, In-Built / External VRLA batteries, SNMP Card

*Note: X to be replaced in the part number with: 1) S for In-built Batteries
2) H for External Batteries*