

Giganet 100 to 800 kVA are the UPS solution for installations requiring high energy efficiency and maximum power availability. These UPS provides maximum protection and power quality for data centres and industrial loads. The UPS has DSP (Digital Signal Processor) technology and provides true-line, double conversion power protection (in accordance with IEC EN 62040-3).

3:3 Phase

0.9 PF

FEATURES
Online double conversion
Full DSP control
High power factor
Wide input adaptability
Optimized battery management
N+X parallel redundancy
Strong overload capability
Power walk in
Generator mode
Multi-protection
EPO function
User-friendly network management



Model	GN-UID(100)	GN-UID(120)	GN-UID(160)	GN-UID(200)	GN-UID(300)	GN-UID(400)	GN-UID(500)	GN-UID(600)	GN-UID(800)	
Capacity VA/Watts	100kVA / 90kW	120kVA / 108kW	160kVA / 144kW	200kVA / 180kW	300kVA / 270kW	400kVA / 360kW	500kVA / 450kW	600kVA / 540kW	800kVA / 720kW	
INPUT										
Operating Voltage Range	380/400/415Vac (-25% / +20%), (3Ph+N+PE)									
Operating Frequency Range	50/60Hz (± 5%)									
Power Factor	> 0.97 (with filter)									
OUTPUT										
Output Voltage	380/400/415Vac (± 1%)									
Output frequency	50/60Hz (± 0.05%)									
Crest factor	3:1(max)									
Efficiency	≥92%	≥92.5%	≥93%	≥93.5%	≥94%					
Harmonic Distortion (THDv)	<2% with linear load									
BYPASS										
Rated Voltage	380/400/415Vac									
Rated frequency	50/60Hz									
Voltage Protection Range	Upper limit: +20% (+10%,+15%,+20% adjustable) Lower limit: -40% (-10%, -20%, -30%, -40% adjustable)									
Frequency Protection Range	± 10% (± 2.5%, ± 5%, ± 10%, ± 20% adjustable)									
BATTERY										
Battery voltage	384Vdc (360~384Vdc)						480Vdc		600Vdc	



GIGANET Three Phase Online Transformer Based Industrial UPS

100-800kVA

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SYSTEM FEATURES

Transfer time	0ms (Line mode → Battery mode)
Overload	≤ 110%/60min, ≤ 125%/10min, ≤ 150%/1min, to Bypass
LED display	Input, Inverter, Bypass, Battery, Output, Status
LCD display	I/O voltage, frequency, power, power factor, battery voltage, current, battery status, load percentage, UPS status, history record
Communication Interface	Dry contact, RS232, RS485, SNMP card (Optional)
Optional	Harmonic filter, SNMP adapter, LBS cables, battery temperature sensor, Bypass current-sharing inductor

ENVIRONMENT

Operating Temperature	0°C ~ 40°C
Storage Temperature	-25 ~ 55°C
Humidity range	0 ~ 95% (non-condensing)
Altitude	<1500m
Noise level	<65dB
	<70dB

PHYSICAL

Dimension W × D × H (mm)	890 × 775 × 1600(6P) 1515 × 830 × 1600(12P)	1200 × 800 × 1600(6P) 1400 × 1000 × 1900(12P)0	1400 × 1000 × 1900(6P) 1640 × 1000 × 1900(12P)	2580 × 1000 × 1900(500)12P 2800 × 1040 × 1900(600)12P	3280 × 1040 × 1950(12P)				
Net Weight (kg)	625/1300	685/1450	1219/1774	1030/1715	1560/2395	1640/2510	3510	3950	4950
Shipping Weight (kg)	695/1370	755/1520	1349/1954	1130/1845	1690/2545	1770/2665	3730	4250	5245

STANDARDS

Safety	IEC/EN62040-1; IEC/EN60950-1
Performance	IEC 62040-3
EMC	IEC/EN62040-2; IEC 61000-2-2; IEC61000-4-2; IEC61000-4-3; IEC61000-4-4; IEC61000-4-5; IEC61000-4-6; IEC61000-4-8; IEC 61000-4-11;