

Giganet 10-80kVA UID Series UPS is a true on-line double conversion UPS with input and output isolation transformers. It accords with international safety standards such as IEC EN 62040-3 and provides high level power protection for control applications and harsh environments.

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(10)	GN-UID(20)	GN-UID(30)	GN-UID(40)	GN-UID(60)	GN-UID(80)
Capacity VA/Watts	10kVA / 9kW	20kVA / 18kW	30kVA / 27kW	40kVA / 36kW	60kVA / 54kW	80kVA / 72kW
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	≥88%	≥89%				>90%
Harmonic Distortion (THDv)	< 3% 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)					



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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	<60dB			<65dB		
PHYSICAL						
Dimension W × D × H (mm)	350 × 650 × 1050		430 × 830 × 1100		720 × 690 × 1600	
Net Weight (kg)	148	163	230	255	386	426
Shipping Weight (kg)	168	183	263	288	432	472
STANDARDS						
Safety	IEC/EN62040-1; IEC/EN60950-1					
Performance	IEC 62040-3					
EMC	IEC/EN62040-2; IEC61000-4-2; IEC61000-4-3; IEC61000-4-4; IEC61000-4-5; IEC61000-4-6; IEC61000-4-8; IEC 61000-4-11;					