

GX-HF-3-3-40

GX-HF-3-3-40 UPS is an advanced three-phase on-line high frequency UPS with full digital control technology, supporting three phase in single phase out working mode as well. It breaks the traditional design of tower UPS, adopting the idea of advanced modular design. This series not only ensures the compactness of layout, but also enhances the systems reliability. With its excellent electrical properties and perfect protective function in software and hardware. This UPS could adapt to different utility Powers and provide safe and reliable power protection for different loads.

FEATURES

- Full digitized DSP control technology True online double conversion with strong load – taking capability
- Support three phase in single phase out working mode.
- Input power factor up to 0.99, lower harmonic current, green power, high efficiency and energy saving.
- Wide input voltage range, 50Hz / 60Hz frequency self-adaptable, adapt to different utility condition.
- Support two modes of frequency conversion: 50Hz input/60Hz output, satisfy users' special requirements
- “N+X” redundancy parallel up to 6 unit.
- Share battery pack in parallel operation, saving battery cost.
- Digitized charger, with flexible charging parameter setting and battery configuration.
- Advanced intelligent battery management technique, prolong the working life of battery effectively.
- Support battery cold start and mains supply, self starting, satisfy the user requirement.
- Complete isolation design between fragile components and air flue, improving the system reliability greatly.
- Fragile components been replaced as module easily at low maintenance cost.
- Perfect protective function in software and hardware, robust self diagnose and abundant event log for future check.
- 5.7 inches multifunctional LCD touch screen, friendly human & machine interface.
- Abundant communication port, including RS232, RS485, USB and SNMP etc.



SPECIFICATIONS

MODEL	GX-HF-3-3-40
Rated Capacity	40 KVA
INPUT	
Rated voltage	380 V / 400 V / 415 Vac
Input Voltage Range	204 ~ 520 Vac (Load \leq 50%); 242 ~ 520 Vac (50% < Load \leq 70%); 304 ~ 520 Vac (70% < load \leq 100%)
Input Connection	3 Phase +N+G
Power factor	\geq 0.99
Input Current THD (Total Harmonic Distortion)	\leq 3%
Rated Frequency	50Hz / 60Hz (self-adaptable)
Main Input Frequency Range	40 ~ 70 Hz
Bypass voltage range	380/400/415V \pm 20% VAC (settable)
OUTPUT	
Power Factor	0.9
Rated Voltage	380 V / 400 V / 415 Vac
Voltage Precision	\pm 1%
Dynamic Transient Variation	\pm 5% (0-100% Load Variation)
Voltage THD	\leq 1% (Linear Load)
Total Harmonic Distortion	\leq 3% (Non-Linear Load)
DC Voltage Ponderance	\leq 100mv
Output Current Crest Factor	3:1 (Maximum)
Output Frequency	AC Mode: Synchronized with utility power (can be set to Frequency conversion mode: 50 Hz input and 60 Hz output or 60 Hz input and 50 Hz output) Battery mode : 50 / 60 Hz
Frequency Tracing Rate	\leq 1Hz/s
Phase Lock Accuracy	1°
Overload capability on inverter mode	110% < load \leq 130%, transfer to bypass after 10mins 130% < load \leq 150%, transfer to bypass after 1mins Load>150, transfer to bypass after 0.5s

Overload capability on bypass mode	Load≤150%, long time running Load>150%, shut off after 10s
Transfer Time	0ms (AC mode ↔ Battery Mode) ; 0ms (Bypass Mode AC Mode)
SYSTEM ↔	
Efficiency	≥ 93%, (≥50% load)
Battery Configuration	±192V (configure 2 groups battery individually on a positive and negative, each of which is 16 pieces 17, 18, 19, 20 pieces could be optional and configurable) Standard UPS inbuilt 32 pieces 12V/9AH battery, Cabinet space inbuilt 64 pieces 12V/9AH battery maximum
Charge Current	1~12A
Max. Parallel numbers	6
Operating Temperature	0~40°C
Operating Altitude	<1500m (power derating above 1500m)
Operating Relative Humidity	0~95%
Storage Temperature	-25~55°C
Noise (Above Ground 1m)	<60dB
Safety	EN62040-1-1
Electrostatic Discharge	IEC61000-4-2 (Level 3)
EMS	IEC61000-4-3 (Level 3)
Dynamic Voltage Compatibility	IEC61000-4-4 (Level 3)
Surge Distraction	IEC61000-4-5 (Level 4)
Electromagnetic Interference (EMI)	EN62040-2 (>25A) class A
Display Panel	5.7 inches multifunctional LCD touch screen
Audible Alarm	Alarm when UPS transfer to battery mode and the battery voltage low
Communication Port	USB, RS232, RS485, dry contact (standard configuration) SNMP (optional)
SNMP	Power management from SNMP manager and web browser
UPS Cabinet (W×D×H) (mm)	600×800×1550
Net / Gross weight (kg)	190/ 210