

GX-HF-3-1-20

ONLINE TRANSFORMER LESS UPS

GX-HF-3-1-20 online UPS 3-phase in/1-phase out is an on-line double-conversion UPS with output power factor 0.9 offering high levels of reliability and protection for IT systems, telecommunications equipment and mission critical systems, ensuring maximum power reliability. Besides standard runtime as backup power, EA900II UPS (long time model) can be fitted with matching battery extension packs for long runtime applications; Besides standard features of normal UPS, it is also able to bear wide input voltage in harsh environment, and support 50/60Hz frequency conversion mode, select input mode via LCD: 3/1 or 1/1; optional N+X redundancy parallel function is also available.



FEATURES

- High frequency and true double-conversion
- DSP digital control technology
- Wide input voltage range (110 V ~ 300 V)
- Output power factor 0.9
- Optimized battery configuration: 192 V / 240 V
- Cold start
- Auto sensing frequency
- ECO mode operation for energy saving
- 50 / 60 Hz frequency conversion mode
- Selectable output voltage via LCD
- Selectable battery shutdown voltage (EOD) via LCD
- Selectable input mode via LCD (3:1 or 1:1)
- Power-on self test
- Advanced battery management (ABM)
- Short circuit and overload protection
- Automatic charging in OFF mode
- Fan speed auto control when temperatures varies
- Standard RS232 / USB communication port
- Standard emergency power off (EPO)
- Optional RS485 / SNMP / AS400 communication port
- Optional extension battery bank
- Optional battery temperature compensation
- Optional built-in isolation transformer
- Optional manual bypass
- Optional N+X redundancy parallel

SPECIFICATIONS

MODEL	GX-HF-3-1-20
Capacity	20 KVA / 18 KW
INPUT	
Rated voltage	3:1: 360 V / 380 V / 400V / 415 Vac; 1:1: 208 V / 220 V / 230 V / 240 Vac (settable via LCD)
Voltage Range	3:1: half load (190 ~ 520) $\pm$ 5 Vac, full load (277 ~ 520) $\pm$ 5 Vac; 1:1: half load (110 ~ 300) $\pm$ 5 Vac, full load (160 ~ 300) $\pm$ 5 Vac.
Frequency	40 ~ 70 Hz (auto-sense)
Power factor	3:1: $\geq$ 0.95; 1:1: $\geq$ 0.99.
BYPASS	
Voltage range	160 V ~ rated output voltage + 32 V

Frequency	50 / 60 Hz $\pm$ 5 Hz
OUTPUT	
Voltage	208 V / 220 V / 230 V / 240 Vac settable via LCD)
Voltage regulation	$\pm$ 1%
Frequency	Synchronized with utility in mains mode; 50 / 60 $\pm$ 0.2 Hz in battery mode
Waveform	Sinusoidal
Crest factor	3:1
Harmonic distortion	$\leq$ 2%(linear load); $\leq$ 5% (non-linear load)
Transfer time	0 ms
Overload capability	105% ~ 125%: transfer to bypass in 3 mins; 125% ~ 150%: transfer to bypass in 30 s; > 150%: transfer to bypass in 1 s
EFFICIENCY	
Overload capability	Load $\leq$ 105%: long time running ; 105% < load $\leq$ 125%: transfer to bypass in 10 mins ; 125% < load $\leq$ 150%: transfer to bypass in 1 min 150% < load $\leq$ 200%: transfer to bypass in 200 ms 200% < load: transfer to bypass in 100 ms
OTHERS	
Mains mode	$\geq$ 92%
Battery mode	$\geq$ 91%
ECO mode	$\geq$ 98%
BATTERIES	
DC voltage	192 Vdc / 240 Vdc
Recharge time	8 h
ALARM	
Utility failure	4 s per beep
Low battery	1 s per beep
Overload	1 s twice beeps
UPS fault	Long beep
COMMUNICATIONS	
RS232 / USB (standard)	Supports Windows® 98 / 2000 / 2003 / XP / Vista / 2008 / 7 / 8 / 10
SNMP (optional)	Power management from SNMP manager and web browser
OTHERS	
Humidity	20 ~ 90% RH @ 0~40°C (non-condensing)
Noise level	$\leq$ 60 dB (1m)
Dimensions (W×D×H) (mm)	262×580×628 (H)
Packaged dimensions (W×D×H) (mm)	359×687×832 (H)
Net weight (kg)	39.0 (H)
Gross weight(kg)	47.5 (H)