

# On Line High Frequency UPS GH33 III 3P/3P 30K-200K(L)



## Technical Features:

- True double-conversion
- DSP technology guarantees high performance
- Output power factor 1.0
- Active power factor correction in all phases
- 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving (ECO)
- Emergency power off function (EPO)
- Generator compatible
- SNMP+USB+RS-232 multiple communications
- Adjustable battery numbers for long-run model
- Maintenance bypass available
- Parallel operation up to 4 units with common battery
- Power walk-in function
- Optional isolation transformer offers full isolation and complete common mode noise rejection
- 3-stage extendable charging design for optimized battery performance



## Technical Specifications:

MODEL	GH33 III -30 KL	GH33 III -40 KL	GH33 III -60 KL	GH33 III -100KL	GH33 III -120KL	GH33 III -180KL	GH33 III -200KL
<b>PHASE</b>	3-phase in/3-phase out						
<b>CAPACITY</b>	30KVA / 30KW	40KVA / 40KW	60KVA / 60KW	100KVA / 100KW	120KVA / 120KW	180KVA / 180KW	200KVA / 200KW
<b>PARALLEL CAPABILITY</b>	4						
<b>INPUT</b>							
Nominal Voltage	3 x 360/380/400/415 VAC (3Ph+N)						
Voltage Range	110-300 VAC @ 50% load ; 176-276 VAC @ 100% load						
Frequency Range	40-70 Hz						
Power Factor	≥ 0.99 @ 100% load						
Harmonic Distortion (THDI)	< 4% at full linear load						
<b>OUTPUT</b>							
Output Voltage	3 x 360*/380*/400/415 VAC (3Ph+N)						
AC Voltage Regulation (Batt. Mode)	± 1%						
Frequency Range (Synchronized Range)	46-54Hz or 56-64Hz						
Frequency Range (Batt. Mode)	50/60 Hz ± 1%						
Current Crest Ratio	3:1 (max.)						
Harmonic Distortion	" ≤ 2% THD (Linear Load) ≅ 5% THD (Non-linear Load)"						
Transfer AC mode to Battery mode	zero						
Time Inverter to Bypass	zero						
Waveform (Batt. Mode)	Pure Sine Wave						
Overload Capability	100-110% for 60 min, 111-125% for 10 min, 126%-150% for 1 min; >150% immediately shutdown						
<b>BYPASS</b>							
Nominal Voltage	3 x 360/380/400/415 VAC (3Ph+N)						
Voltage Range	305VAC-457VAC						
Frequency Range (Synchronized Range)	46-54Hz or 56-64Hz						
Overload Capability	"> 130% 1 minute (default) Continuously working until breaker protection (optional)"						
<b>MODES</b>							
AC Mode	95.5%						
ECO Mode	98.5%						
Battery Mode	94.5%						
<b>BATTERY</b>							
Battery Type	Depending on application						
Numbers	32-40 pcs (Adjustable)						
Charging Current (max.)	1-12A, Adjustable	1-18A, Adjustable	2-36A, Adjustable	3-54A, Adjustable			
Charging Voltage	+/-13.65V*N (N = 16-20)						
<b>INDICATORS</b>							
Touch color LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions						
<b>ALARM</b>							
Battery Mode	Sounding every 4 seconds						
Low Battery	Sounding every second						
Overload	Sounding twice every second						
Fault	Continuously sounding						
<b>PHYSICAL</b>							
Dimension, D X W X H (mm)	815 x 300 x 1000			974 x 600 x 1600			
Net Weight (kgs)	74	54	87	250	250	340	345
<b>ENVIRONMENT</b>							
Operation Temperature	0-40°C						
Operation Humidity	<95% and non-condensing						
Altitude**	0 ~ 1000m at full load						
Noise Level	Less than 65 dB @ 1 Meter	Less than 65 dB @ 1 Meter	Less than 75 dB @ 1 Meter				
<b>MANAGEMENT</b>							
Smart RS-232/USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux and MAC						
Optional SNMP	Power management from SNMP manager and web browser						

\*When output voltage is set as 3 x 360VAC or 3 x 380VAC, the output power of the unit will be de-rated to 90%.

\*\*If the UPS is installed or used in a place where the altitude is higher than maximum height, the output power will be derated 1% per 100m.

Product specifications are subject to change without further notice.

