

# On Line High Frequency UPS GH31 10-20K(L)



## Technical Features:

- True double-conversion
- DSP technology guarantees high performance
- Output power factor 0.8
- Wide input voltage range
- 50Hz/60Hz frequency converter mode
- Supports 3P/1P&1P/1P operation
- Emergency power off function (EPO)
- Generator compatible
- SNMP+USB+RS-232 multiple communications
- 3-stage extendable charging design for optimized battery performance
- Optional maintenance bypass switch



## Technical Specifications:

MODEL	GH31-10K (L)	GH31-15K (L)	GH31-20K (L)
<b>PHASE</b>		3 phase in / 1 phase out	
<b>CAPACITY</b>	10000VA /8000W	15000VA /12000W	20000VA /16000W
<b>INPUT</b>			
Nominal Voltage	3 x 400 VAC (3Ph+N)		
Input Voltage Range	190-520 VAC (3-phase) @ 50% load : 305-520 VAC (3-phase) @ 100% load		
Frequency Range	46-54 Hz or 56-64Hz		
Power Factor	≥ 0.8 @ 100%		
<b>OUTPUT</b>			
Output Voltage	208/220/230/240VAC		
AC Voltage Regulation (Batt. Mode)	± 1%		
Frequency Range (Synchronized Range)	46-54Hz or 56-64Hz		
Frequency Range (Batt. Mode)	50 Hz ± 0.2 Hz or 60 Hz ± 0.2 Hz		
Current Crest Ratio	3:1 (max.)		
Harmonic Distortion	3 % THD (Linear Load) : 5 % THD (Non-linear Load)		
Transfer Time	AC to DC	zero	
	Inverter to Bypass	zero	
Waveform (Batt. Mode)	Pure Sinewave		
<b>EFFICIENCY</b>			
To AC Mode	91%	91%	91%
To Battery Mode	91%	91%	91%
<b>BATTERY</b>			
Standard Model	Battery Type	12V 9AH	
	Numbers	16 -20pcs (Adjustable)	16-20 pcs(Adjustable)*2 strings
	Typical Recharge Time	9 hours recover to 90% capacity	
	Charging Current (max.)	1A ± 10%	1A/2A/4A ± 10%(2A Default)
Long-run Model*	Battery Type	Depending on the capacity of external batteries	
	Numbers		
	Charging Current (max.)	4A Default, 1A/2A/4A(Adjustable)	
	Charging Voltage	218.4 VDC ± 1% (16pcs) 273 VDC ± 1% (20pcs)	
<b>INDICATORS</b>			
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 0.5 second		
Fault	Continuously sounding		
<b>PHYSICAL</b>			
Standard Model	Dimension, DxWxH (mm)	442 x 190 x 688	815 x 250 x 826
Long-run Model*	Dimension, DxWxH (mm)	442 x 190 x 318	575 x 190 x 318
Standard Model	Net Weight (kgs)	66	125
Long-run Model*	Net Weight (kgs)	15	18.95

\* L means long-run model

\* Product specifications are subject to change without further notice

