

# On Line High Frequency UPS GH11 1-10K(L)



## Technical Features:

- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.9
- Wide input voltage (110 V – 300 V)
- Converter mode available
- ECO mode for energy saving( Only available for 1-3KVA)
- Generator compatible
- Adjustable charging current via LCD or software(1A-6A) only available for 6K/10K models
- Smart SNMP works well with either USB or RS-232 together
- Comprehensive display allows easy monitoring and access of UPS status



## Technical Specifications:

MODEL	GH11-1K (L)	GH11-2K (L)	GH11-3K (L)	GH11-6K (L)	GH11-10K (L)	
<b>PHASE</b>	Single phase with ground					
<b>CAPACITY</b>	1000VA /900W	2000VA /1800W	3000VA /2700W	6000VA /5400W	10000VA /9000W	
<b>INPUT</b>						
Nominal Voltage	220/230/240 VAC					
Input Voltage Range	110-300 VAC(Based on load at 50%) 160-280 VAC(Based on load at 100%)		110-300 VAC(Based on load at 50%) 176-300 VAC(Based on load at 100%)			
Frequency Range	40Hz ~ 70 Hz		46-54Hz or 56-64Hz			
Power Factor	≅ 0.99 @ Nominal Voltage [100% load]					
<b>OUTPUT</b>						
Output Voltage	200/208/220/230/240VAC					
Voltage Regulation	± 1%					
Frequency Range (Synchronized Range)	57 ~ 63 Hz		46-54Hz or 56-64Hz			
Frequency Range (Batt. Mode)	50 Hz or 60Hz ± 0.1 Hz					
Current Crest Ratio	4-6 hours up to 90% capacity					
Harmonic Distortion	≅ 3 % THD [Linear Load] ≅ 6 % THD [Non-linear Load]		≅ 3 % THD [Linear Load] ≅ 5 % THD [Non-linear Load]			
Transfer Time	AC to DC	Zero				
	Inverter to Bypass	4 ms (Typical)		Zero		
Waveform [Batt. Mode]	Pure Sinewave					
<b>EFFICIENCY</b>						
To AC Mode	88%	89%	90%	92%	93%	
To Battery Mode	83%	87%	88%	90%	91%	
<b>BATTERY</b>						
Standard Model	Battery Type	12V 9AH	12 V 9AH	12 V 9AH	12V 7AH	12V 9AH
	Numbers	2	4	6	16-20pcs(Adjustable)	
	Typical Recharge Time	4 hours recover to 90% capacity			9 hours recover to 90% capacity	
	Charging Current (max.)	1.0 A			1A/2A	
	Charging Voltage	27.4VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%	218.4 VDC ± 1%(based on 16 pcs batteries)	
Long-run Model*	Battery Type	Depending on the capacity of external batteries				
	Numbers	2/3	4/6	6/8	16-20pcs(Adjustable)	
	Charging Current (max.)	1.0A/2.0A/4.0A/6.0 A (Adjustable)			1.0A/2.0A/4.0A/6.0 A(adjustable,6A is only available for 16pcs batteries)	
	Charging Voltage	27.4/41.0VDC ± 1%	54.7/82.1 VDC ±1%	82.1/109.4VDC ±1%	273 VDC ± 1% (based on 20 pcs batteries)	
<b>INDICATORS</b>						
LCD	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators					
<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>						
Standard Model	Dimension, DxWxH (mm)	285 x 145 x 220	397 x 145 x 220	421 x 190 x 318	369 x 190 x 688	442 x 190 x 688
	Net Weight (kgs)	9.8	17	27.6	61	66
Long-run Model*	Dimension, DxWxH (mm)	282 x 145 x 220	397 X 145 X 220		369 x 190 x 318	442 x 190 x 318
	Net Weight (kgs)	4.1	6.8	7.4	12	16

\*\*Derate to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 100/200/208VAC

\* Product specifications are subject to change without further notice

