

On Line High Frequency UPS GHD 11 1-3K(L)



Technical Features:

- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.9
- Wide input voltage (55 V – 145 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		GHD11-1K (L)	GHD11-2K (L)	GHD11-3K (L)
PHASE		Single phase with ground		
CAPACITY		1000VA /900W	2000VA /1800W	3000VA /2700W
INPUT				
Nominal Voltage		100/110/115/120/127VAC or 200/208/220/230/240VAC		
Input Voltage Range		55-145VAC or 110-300VAC at 50% load 85-140VAC or 160-280VAC at 100% load		
Frequency Range		40-60Hz / 50-70Hz		
Power Factor		≥ 0.99 @ Nominal Voltage (100% load)		
OUTPUT				
Output Voltage		100/110/115/120/127VAC or 200/208/220/230/240VAC		
Voltage Regulation		± 1%		
Frequency Range (Synchronized Range)		47-53Hz or 57-63Hz		
Frequency Range (Batt. Mode)		50Hz±0.25Hz or 60Hz±0.3Hz		
Current Crest Ratio		3:1		
Harmonic Distortion		≤ 3 % THD (Linear Load) ≤ 6 % THD (Non-linear Load)		
Transfer Time	AC to DC	Zero		
	Inverter to Bypass	4 ms [Typical]		
Waveform (Batt. Mode)		Pure Sinewave		
EFFICIENCY				
To AC Mode		88%	89%	90%
To Battery Mode		83%	87%	88%
BATTERY				
Standard Model	Battery Type	12V 9AH	12 V 9AH	12 V 9AH
	Numbers	2	4	6
	Typical Recharge Time	4 hours recover to 90% capacity		
	Charging Current (max.)	1.0 A		
	Charging Voltage	27.4VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%
Long-run Model*	Battery Type	Depending on the capacity of external batteries		
	Numbers	2/3	4/6	6/8
	Charging Current (max.)	1.0A/2.0A/4.0A/6.0 A (Adjustable)		
	Charging Voltage			
		41.0VDC ± 1%	82.1 VDC ±1%	109.4VDC ±1%
INDICATORS				
LCD		Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators		
ALARM				
Battery Mode		Sounding every 4 seconds		
Low Battery		Sounding every second		
Overload		Sounding twice every second		
Fault		Continuously sounding		
PHYSICAL				
Standard Model	Dimension, DxWxH (mm)	285 x 145 x 220	395 x 145 x 240	415 x 190 x 337
	Net Weight (kgs)	9.3	18.6	30
Long-run Model*	Dimension, DxWxH (mm)	282 x 145 x 220	397 X 145 X 220	
	Net Weight (kgs)	4.6	6.8	7.4

*Long-run model is only available in 200/208/220/230/240VAC systems, output power factor is PF0.8,

**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

