

On Line High Frequency UPS GHD 11 Pro-1-3K



Technical Features:

- Microprocessor control optimizes reliability
- Output power factor 1
- Input power factor correction
- Wide input voltage (110 V – 300 V)
- 50/60Hz Frequency Converter Mode
- ECO mode for energy saving
- Emergency power off (EPO) function
- Provides over voltage cut-off protection and surge immunity by MOV for full time equipment protection
- High power factor charger upto 1000W capacity with very low ripple current when charging battery
- Low input THDi to reduce power system pollution
- Adjustable charging current via LCD panel
- Smart battery charger design to optimize battery performance
- Generator compatible



Technical Specifications:

MODEL	GH11 Pro 1K		GH11 Pro 1.5K		GH11 Pro 2K		GH11 Pro 3K	
PHASE	Single phase with ground							
CAPACITY	1000VA /900W		2000VA /1800W		3000VA /2700W		6000VA /5400W	
INPUT								
Nominal Voltage	100/110/115/120 /127 VAC or 200/208/220/230/240 VAC							
Voltage Range	55 - 150 VAC \pm 3 % or 110 - 300 VAC \pm 3 % at 50% load , 80 - 150 VAC \pm 3 % or 160 - 300 VAC \pm 3 % at 100% load							
Frequency Range	40Hz – 70Hz							
Power Factor	\cong 0.99 @ nominal voltage [100% load]							
THDi	\cong 5%							
OUTPUT								
Output Voltage	100*/110*/115*/120 /127 VAC or 200*/208*/220/230/240 VAC							
Voltage Regulation (Batt. Mode)	\pm 1%							
Frequency Range [Synchronized Range]	47 – 53 Hz or 57–63Hz							
Frequency Range [Batt. Mode]	50 Hz \pm 0.1 Hz or 60Hz \pm 0.1 Hz							
Current Crest Ratio	3:1							
Harmonic Distortion	\cong 2 % THD (Linear Load) ; \cong 4 % THD (Non-linear Load)							
Transfer Time	AC to DC		Zero		Zero		Zero	
	Inverter to Bypass		4 ms (Typical)		4 ms (Typical)		4 ms (Typical)	
	ECO to Battery mode		8 ms (Typical), 10 ms(max)		8 ms (Typical), 10 ms(max)		8 ms (Typical), 10 ms(max)	
Waveform [Batt. Mode]	Pure Sinewave							
EFFICIENCY								
AC Mode	\cong 89% @ full charged battery				\cong 91% @ full charged battery			
ECO Mode	\cong 96% @ full charged battery				\cong 96% @ full charged battery			
Battery Mode	\cong 88%				\cong 90%			
BATTERY								
Battery Type	12V 9AH	12 V / 7 AH	12 V / 9 AH	12 V / 9 AH	12 V / 7 AH	12 V / 9 AH	12 V / 7 AH	12 V / 7 AH
Numbers	2	3	3	4	6	6	6	8
Typical Recharge Time	3 hours recover to 95% capacity for internal battery@ 2A charging current							
Charging Current	100/110/115/120 /127 VAC models: default 2A, max. 8A adjustable				200/208/220/230/240 VAC models: default 2A, max. 12A adjustable			
Charging Voltage	27.4VDC \pm 1%	41.1VDC \pm 1%	41.1VDC \pm 1%	54.8VDC \pm 1%	82.1VDC \pm 1%	82.1VDC \pm 1%	109.6VDC \pm 1%	109.6VDC \pm 1%
PHYSICAL								
Dimension, D X W X H (mm)	397 x 145 x 220				421 x 190 x 318			
Net Weight (without battery) (kgs)	6.6	6.6	7	9.9	9.9	12.3	12.3	12.3
Net Weight (w/built-int battery) (kgs)	11.7	13	14.6	20.3	23.2	28	28	33
ENVIRONMENT								
Humidity	20-95 % RH @ 0- 40°C (non-condensing)							
Noise Level	Less than 50dBA @ 1 Meter				Less than 55dBA @ 1 Meter			
Altitude	10% de-rating for over 1000m (The altitude should not exceed 3000m)							
MANAGEMENT								
Smart RS-232 or USB	Supports Windows 2000/2003/XP/Vista/2008/7/8, Linux, Unix and MAC							
Optional SNMP	Power management from SNMP manager and web browser							
STANDARD								
EMC/Safety	EMC EN62040-2 C2 for CE models							

*Derate capacity to 80% when the output voltage is adjusted to 100VAC/200VAC/208VAC.

Product specifications are subject to change without further notice



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