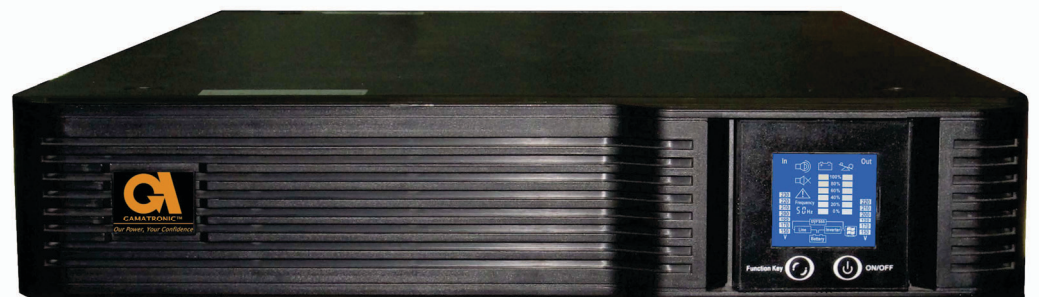


GNet

G-NET

1 kVA – 10 kVA

Rack and Tower UPS



GAMATRONIC™
Our Power Your Confidence



G-NET 1 kVA -- 10 kVA Rack and Tower UPS

The G-Net Rack and Tower series of UPS systems is a line of advanced, true on-line UPSs supplying clean, reliable and regulated ac power perfectly adapted to your needs.

The series ranges from 1 to 10 kVA, and can be deployed horizontally in a standard 19" rack or vertically as a tower.



The G-NET is an advanced, true on-line Uninterruptible Power Supply (UPS) providing reliable, regulated and stable voltage to any type of load, from computers and telecommunication systems to automated industrial control systems. The G-NET is available in models supplying 1, 2, 3, 6, and 10 kVA.

Voltage surges, spikes and sags are inherent in commercial utility power. Over time, these irregularities shorten the life of equipment and components. The G-NET UPS continually eliminates power irregularities, extending the life of your equipment even through normal use when the input power is uninterrupted. And when there is an interruption in the input power, the G-NET powers your critical loads from its battery bank for those few critical minutes until a generator or other alternate power source comes on-line, or until your computer servers have been powered down in an orderly fashion.

The G-NET is designed so that it can be deployed horizontally or vertically. When deployed horizontally it fits in a standard 19" rack, and is 2U in height.

When deployed vertically, the control screen can be physically rotated 90 degrees for easy use in that position.

Features

- True on-line design, pure sine wave output.
- Input PFC 0.98; output PF 0.8 .
- Zero transfer time ensures no interruption to the loads.
- Local and remote control capability with RS232 or USB port.
- Supports SNMP.
- Automatic self-test at startup.
- Built-in protection against overload and short circuit.

GNET TECHNICAL SPECIFICATIONS

Table 1: Technical specifications for G-Net 19" UPS models

G-NET TECHNICAL SPECIFICATIONS		1 kVA	2 kVA	3 kVA	6 kVA	10 kVA
Topology		True on-line, double-conversion, VFI				
Operation		Continuous				
Input						
Voltage (Vac)		145~285, single phase			120~276, single phase	
Current, max. (A)		7	12	16	31	50
Frequency (Hz)		50/60 ±5 %				
Power factor correction (full load)		0.98				
Output						
Rated power (kVA / kW)		1 / 0.8	2 / 1.6	3 / 2.4	6 / 4.8	10 / 8
Frequency (Hz, battery mode)		50/60 ±0.5 %			50/60 ±0.2 %	
Voltage (Vac)		220/230 ±1 %, single-phase				
Current (A)		5.4	9.6	13	27	45
Overload	105 % ~ 125 %	10 min.			to bypass after 1 min.	
	125 % ~ 135 %	1 min.			to bypass after 30 sec.	
	>135 %	200 ms			to bypass after 100 ms	
Waveform		Sinusoidal				
THD (full load)	Linear load	≤3 %				
	Non-linear load	≤6 %				
Load CF (max)		3:1				
Power factor		0.8				
Batteries (see also Table 2)						
Type		Sealed, lead acid, rechargeable, maintenance-free				
Dc voltage (Vdc), ampere/hours		36 V, 7 Ah	96 V, 7 Ah		192 V, 9 Ah	
Backup time		10 ~ 15 min (typical)				
General						
Ambient temperature (°C)		0 ~ 40 (operation and storage)				
Relative humidity (%)		20 ~ 90 (non-condensing)				
Altitude (m)		1000 without derating (derating table below)				
Cooling system		Forced air (multi-fan with speed control)				
Standards						
Safety		IEC 62040-1				
EMC		IEC 62040-2				
Design		IEC 62040-3				
Low magnetic field radiation		EMF as per ICNIRP				
Weights and dimensions						
UPS wgt (kg)		7.5 (13 *)	13	14	33	35
UPS dimensions (H x W x D, mm)		88 x 430 x 480			88 x 430 x 680	

* with internal batteries

Table 2: Battery pack specifications

MODEL	NUMBER AND TYPE OF BATTERIES	CABINET DIMENSIONS (HxWxD, MM)	WEIGHT (KG)
96 V battery pack	8 x 12 V, 7 Ah	88 x 430 x 480	18
192 V battery pack	16 x 12 V, 9 Ah	88 x 430 x 680	52

Table 3: Derating factors

OUTPUT DERATING FACTOR FOR HIGHER ALTITUDES									
Altitude (m)	1000	1500	2000	2500	3000	3500	4000	4500	5000
Derating factor	100 %	95 %	91 %	86 %	82 %	78 %	74 %	70 %	67 %

All specifications are subject to change without advance notice.



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BATTERY BOX

