

**G***Net*

**1KVA - 10KVA**

**RACK AND TOWER UPS**



**GAMATRONIC, A SolarEdge Division**

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## 1KVA - 10 KVA Rack and Tower UPS

The G-Net Rack & Tower series of UPS systems is a line of advanced true online UPSs which provide clean, reliable and regulated AC power to perfectly adapt to user needs.

The series ranges from 1-10 kVA and is available both in rack and tower design.

The 6 -10 kVA models adopt rack tower design as standard 19" and 2U design when changed into a tower model. This alteration is made by simply revolving the unit and LDC display.

The G-Net is an advanced, true online 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 UPS is available in various models of up to 10 kVA.

Voltage surges, spikes and sags are inherent in commercial utility power. Over time, these irregularities shorten the life of the equipment and components. The G-Net UPS continually eliminates power irregularities, thus helping extend the life of your equipment, even through normal use when the input power is constant and continuous.

The G-Net 6 -10 kVA 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° for easy use in either position.

### Features

- True online pure sine wave output without pollution
- Intelligent DCP/CPU design with 0.98 PFC
- Zero transfer time ensuring reliability of load operation
- Local and remote control capability with RS232 or USB port compatible with SNMP
- Self diagnosis and protection function
- Peak value of current and short circuit protection design

### Available Models

- 1-3 kVA tower or rack
- 6 kVA with external battery cabinet tower or rack
- 10 kVA with external battery cabinet tower or rack

## G-NET 19 INCH TECHNICAL SPECIFICATIONS

G-NET 19" MODELS		1000VA	2000VA	3000VA
<b>Input</b>				
Voltage(Vac)		110~300, single phase, ground connection required		
Nominal Voltage(Vac)		220 / 230		
Maximum Current(A)		6	12	16
Rated Frequency(Hz)		50/60		
Frequency range (Hz)		45~65		
<b>Output</b>				
Voltage(Vac)		220 / 230 ±3%		
Frequency(Hz)		50/60 ± 0.5%		
Waveform		Sinusoidal		
Power		1000 VA, 800 W	2000 VA, 1600 W	3000 VA, 2400 W
THD (full load, %)	Linear load	<3 %		
	Non-linear load	<6 %		
Overload tolerance		105% ~ 130% : moves to bypass after 30s		
Ratio max. / normal load (crest ratio)		3:1		
Transfet times (msec.)		0		
- To/ from battery		2.5 / <4		
- To/ From Bypass (typical)maximum)				
<b>Operating Enviroment</b>				
Tempreture	Operation	0~ + 40°C		
	Storage	-25~ + 55°C (w/o batteries)		
Humidity (%)		Up to 95 (non-condensing)		
Altitude (m)		<1500 without derating		
Standards		EN62042-2:2600 EN61000-3-2:2600+A1:2009+A2 EN61000-3-3:2008		
<b>Batteries (external)</b>				
Type		Sealed, lead acid, maintenance free, 12V per block		
Voltage		36Vdc	72Vdc	96Vdc
<b>Communication</b>				
RS232		D9 connector		
<b>Dimensions</b>				
UPS: W x H x D (mm)		482 x 88 x 450		
UPS weight (kg)		9	11	12
Battery box: W x H x D (mm)		482 x 88 x 450		
Batt. box weight(kg) ind.batteries(approx.)		24+6=30	24+13=37	24+17=41

All specification are subject to change without prior notice.



## G-NET TOWER MODELS TECHNICAL SPECIFICATIONS

G-NET TOWER MODELS		1000VA	2000VA	3000VA
Load capacity		800W	1600W	2400W
Related Voltage		220/230 Vac		
Rated Frequency (Hz)		50/60 Hz		
<b>Input</b>				
Voltage(Single phase)		110~300 Vac		
Frequency		45~65 Hz		
<b>Output</b>				
Voltage tolerance		220 / 230 Vac ±3%		
Frequency tolerance (Battery Mode)		50/60 ± 0.5%		
THD (full load, %)	Linear load	<3 %		
	Non-linear load	<6 %		
Overload capacity		>105% → 30 ms >130% → 200 ms		
Crest Ratio		3:1(max)		
<b>Battery Voltage</b>				
Battery voltage		36Vdc	72 Vdc	96 Vdc
Internal Battery Cofiguration*		3 x 7 AH	6 x 7 AH	8 x 7 AH
External Battery Configuration		yes		
<b>Transfer Time</b>				
Main Mode<-> Bypass Mode		<4 ms (Standard time 2.5 ms)		
Main Mode<-> Battery Mode		0 ms		
<b>Working Enviroment</b>				
Tempreture		0°C~ 40°C		
Humidity (%)		0~ 95% (non-condensing)		
Altitude (m)		<1500m		
Storage Temprature		-25°C ~ 55°C		
<b>Mechanical Performance</b>				
Dimention W x H x D (mm)		145 x 405 x 220	195 x 465 x 345	195 x 465 x 345
Weight (kg)	Net weight	6.5	12	12.5
	Gross weight	7.5	14	14.5

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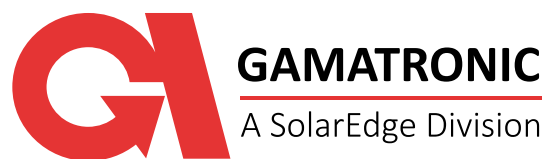
\* 9AH option is available for all.



## G-NET RACK/TOWER TECHNICAL SPECIFICATIONS

G-NET TECHNICAL SPECIFICATIONS	6 kVA		10 KVA	
Topology	True on-line, Double- conversion, VFI			
Operation	Continuous			
<b>Input</b>				
Voltage(nominal. Vac)	220, single phase			
Voltage range (Vac)	160-275			
Current. max. (A)	31			50
Frequency (Hz)	50			
Power factor (full load)	0.98			
<b>Output</b>				
Rated power (kVA/Kw)	6/4.8		10/8	
Frequency (Hz)	50			
Frequency range (%)	± 1 (battery mode)			
Voltage (Vac)	220 ± 1%, single-phase			
Current (A)	27			45
Overload	>105% ~ 130% transferto bypass after 1 minute >130% transfer to bypass after 1 second, no output after 1 minute			
Waveform	Sinusoidal			
THD (%)	<2 for linear load			
Load CF (max)	3:1			
Power factor	0.8			
<b>Batteries</b>				
Type	Sealed, lead acid, rechargeable, maintenance-free			
Battery pack	Model	Number & Type of Battery	Cabinet (HxWxD,mm)	Weight(kg)
	192V	16x12V, 7 AH	85 x 430 x 680	42S
<b>General</b>				
Ambient temperature (°C)	-10 to +40 (operation and storage)			
Relative humidity (%)	95 max. (non-condensing)			
Altitude (m)	1000 without derating			
Cooling system	Forced air (with speed control)			
<b>Standards</b>				
Safty	IEC62040-1			
EMC	IEC62040-2			
Design	IEC62040-3			
Low magnetic field radiation	EMF as per ICNIRP			
<b>Weights and Dimentions</b>				
UPS Weight (kg)	33		35	
UPS dimention W x H x D (mm)	88 x 430 x 680			

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Gamatronic, A SolarEdge Division, provides reliable and flexible power solutions to ensure optimal power efficiency. Contact us for more information. Let our team of experts find a solution that would best serve your needs.

*Our Power, Your Confidence*

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