



G-NET

1 kVA-10 kVA

Rack & Tower UPS



Our Power Your Confidence



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

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

The series ranges from 1-10 kVA available both in rack and tower design. The 6-10 models adopt rack tower design as standard 19" and 2 U design when changed into a tower model. This alternation is made by simply revolving the unit and LCD 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 GNet 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 degrees for easy use in either position.

Features

- True on line sine design, pure sine wave output without pollution.
- Intelligent DCP/CPU design with 0.98 PFC.
- Zero transfer time ensuring the reliability of the 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 tower or rack
- 6kVA with external battery cabinet tower or rack
- 10kVA with external battery cabinet tower or rack

GNET TECHNICAL SPECIFICATIONS

GNET TECHNICAL SPECIFICATIONS	1kVA	2kVA	3kVA	6kVA	10kVA
Topology	True on-line, double-conversion, VFI				
Operation	Continuous				
INPUT					
Voltage (nominal, Vac)	220, single-phase				
Voltage range (Vac)	160 ~ 276				
Current, max. (A)	7	12	16	31	50
Frequency (Hz)	50				
Power factor (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)	50				
Frequency range (%)	±1 (battery mode)				
Voltage (Vac)	220±1 %, single-phase				
Current (A)	5.4	9.6	13	27	45
Overload	105 % ~ 130 % transfer to bypass after 1 minute >130 % transfer to bypass after 1 sec, no output after 1 min.				
Waveform	Sinusoidal				
THD (%)	<2 for linear load				
Load CF (max)	3:1				
Power factor	0.8				
BATTERIES (see also Battery pack specifications)					
Type	Sealed, lead acid, rechargeable, maintenance-free				
GENERAL					
Ambient temperature (°C)	-10 to +40 (operating and storage)				
Relative humidity (%)	95 max. (non-condensing)				
Altitude (m)	1000 without derating (derating table below)				
Cooling system	Forced air (multi-fan with speed control)				
LCD DISPLAY					
Input	Voltage, current				
Output	Voltage, frequency, current				
Batteries	Voltage				
Log (events memory)	Last 200 events				
STANDARDS					
Safety	IEC 62040-1				
EMC	IEC 62040-2				
Design	IEC 62040-3				
Low magnetic field radiation	EMF as per ICNIRP				
WEIGHTS AND DIMENSIONS FOR UPS, W/O EXTERNAL BATT. PACK FOR EXTENDED BACKUP					
UPS weight (kg)	7.5 (12.5 with internal batts.)	29.5 (includes internal batts.)	30.5 (includes internal batts.)		
UPS dimensions (H x W x D, mm)	218x145x402	350 x 193 x 450	350 x 193 x 450		
WEIGHTS AND DIMENSIONS FOR 19" MODELS					
UPS wgt (kg)	9 (14.5 with internal batts.)	11	12	18	19
UPS dimensions (H x W x D, mm)	85 x 430 x 680				

BATTERY PACK SPECIFICATIONS

MODEL	NUMBER AND TYPE OF BATTERIES	CABINET DIMENSIONS (HXWXD, MM)	WEIGHT (KG)
72 V battery pack	6 x 12 V, 7 Ah	85 x 430 x 480	18
96 V battery pack	8 x 12 V, 7 Ah	85 x 430 x 480	22
192 V battery pack	16 x 12 V, 7 Ah	85 x 430 x 680	42

DERATING FACTORS

	MODEL								
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 notice.



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BATTERY BOX

