

Qbit Series

ON-LINE DOUBLE CONVERSION UPS

5kVA



Features

Green power:

- PF > 0.99
- THDi < 5%
- Efficiency > 94%
- Extra wide input range 1'b120%

Clean power:

- THD < 2%
- Extremely low magnetic radiation
- Internal bypass for extra protection

Perfectly fits small offices:

- Very low heat dissipation
- Exceptionally low acoustic noise < 45dB
- Small and light
- Internal batteries

Ease of servicing:

- LCD panel with programmable interface
- Internal batteries are replaceable without switching the UPS off
- Simple in/out terminals for any electrical system

The QBIT true double conversion UPS is uniquely designed for small office environments, with extreme performance at up to 5kVA loads. Its design is based on the winning Power+ modular UPS technology, which made this unit as light as 6kg (not including batteries).

This small UPS unit has operational parameters previously available only in large UPS and power systems:

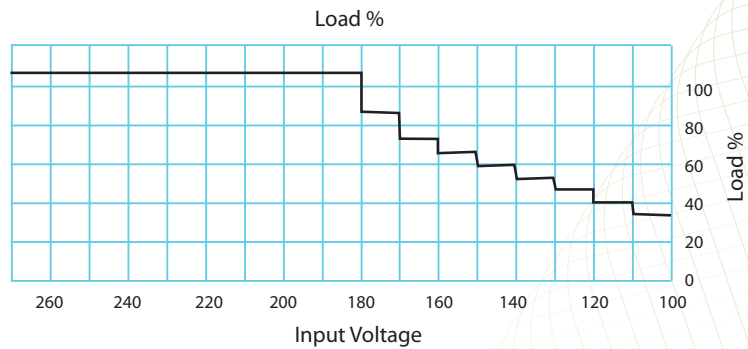
Table 1

Load capability changes appropriate to input voltage

V in	110	120	130	140	150	160	170	180	181	270
% Load	33	40	47	53	60	67	73	87	100	100

Graph 1

Load capability changes appropriate to input voltage



Our Power, Your Confidence

Qbit Series

Specifications

MODEL		5000VA
Topology	Online, double conversion with Static Switch	
Control	Microprocessor controlled	
INPUT		
Voltage	100 ÷ 270 Vac (see table 1 and graph 1)	
Current	16 A @ nominal 230 Vac (21 A max. low input)	
Frequency	50 ÷ 60Hz auto-detection	
Tracking Range	± 2 Hz	
Input Power Factor	0.99	
Input THDi	<5%	
OUTPUT		
Voltage	230 Vac± 2%	
Frequency	50 / 60 Hz *	
Rated Power	5 V _k A /3.5 kW	
Static Regulation	± 1 %	
Dynamic Regulation	± 2 %	
Overload	110 % : 10 min; 125 % : 60 sec; 1000 % : 1 cycle	
Waveform	Sinusoidal	
THDV	2% for linear load	
Dc/ac Efficiency	90 %	
Ac/ac Efficiency	94 %	
Bypass-inverter Difference	Less than 3 °	
BATTERIES		
Batteries	Sealed, lead-acid maintenance-free type 14 x (12 V, 5 Ah)	
Backup Time	5 min. at full load (typical), 15 min. at half load (typical)	
Charging Time	8 hours	
ENVIRONMENT		
Temperature	-10 ÷ +40 °C (operation); -20 ÷ +60 °C (storage)	
Humidity	95% non-condensing	
GENERAL		
Indications	Output load/ Battery capacity via bar graph 2x16 characters LCD with backlight for general status of the UPS; Audio alarm for line failure and low battery indications; RS232 and ALARM interfaces - fully isolated provides line status, low battery, UPS shutdown command from computer	
Communication	Isolated RS232 terminal for connection with a PC for SNMP	
Battery Check	Automatic every 200 hrs.; Manually by "BATT.TEST" button	
Standards	IEC62040-1, IEC62040-2, IEC62040-3	
Acoustic Noise	<45dBA	
Dimensions (WxHxD)		
Standard cabinet	190 x 265 x 620mm	
19" cabinet	19" x 4U x 58.5	
Weight	33.5Kg (w/batteries); 6Kg (w/o batteries)	

* Depending on the specific model ordered

All specifications are typical and subject to change without prior notice

GAMATRONIC ELECTRONIC INDUSTRIES LTD.

Headquarters and Factory 14 Hartom St. POB 45029, Jerusalem 97774, Israel
Tel: +972-2-5888222 Fax: +972-2-5828875 e-mail: info@gamatronic.co.il www.gamatronic.com
Tel-Aviv Sales Office 34 Habarzel St. Ramat Hachayal, Tel Aviv Tel: +972-3-6499940 Fax: +972-3-6449791
Gamatronic UK Ltd. 15 Chester Road, Colmworth Business Park, Eaton Socon, Cambridgeshire, PE19 8YT, United Kingdom Tel: +44 (0)1480 479889/ 472665 Fax: +44(0)1480 407865 info@gamatronic.net

May 2008