

## TIBER NG SERIES

On-line UPS double conversion high frequency from 1 to 10 kVA



### Description



The Tiber NG UPS series, available in either Rack or Tower, include active input PFC rectifier (Power Factor Corrector) and make use of the advantages of PWM technology with IGBTs to obtain equipment with high technical features. They resolve mains electricity problems without resorting to the use of the battery in most cases, thereby increasing its service life. They are ideal for supplying critical systems of up to 10kVA that require a high reliability and quality supply with low operating and maintenance costs.

Data is provided locally through mimic panel with LEDs and LCD display. The communications interface, together with its powerful software, allow users to monitor the status of the unit and provides information on its environment.

### Features

- > On-line UPS double conversion
- > Output power factor 0.9 (1-3kVA)
- > 19" rack-mounting/tower design
- > Microprocessor digital control technology
- > Power: 1,2,3,6 and 10 kVA
- > Visual alarms (led and display) and audible in the case of mains failure
- > Easy-shift LCD display with information about status of UPS
- > Wide input voltage range
- > Battery mode start up without mains line
- > Protections against overloads, shortcircuit and low battery voltage
- > Battery test function
- > Re-start function
- > RS232/USB + software included for software monitoring
- > Cables also included: 2 (1kVA) or 3 (2-3kVA) IEC for peripheral systems
- > Extended battery options available (long backup time models)
- > Programmable shutdown
- > High input power factor  $\geq 0.99$
- > SNMP and Dry contact cards optional
- > 2 years warranty batteries included: 1,2 and 3 kVA models \*



Tiber NG 1-3 kVA series



Tiber NG 6 kVA series



Tiber NG 10 kVA series

domestic use

network

data center

medicine

telecommunications security

industrial



<b>GENERAL SPECIFICATIONS</b>					
Model	Tiber NG 1	Tiber NG 2	Tiber NG 3	Tiber NG 6	Tiber NG 10
Power kVA	1	2	3	6	10
<b>GENERAL</b>					
Technology	Online, double conversion, high frequency				
Overload	105~110% up to 10 min, 110~130% up to 1 min			100~110% up to 30 min, 110~130% up to 5 min	
<b>INPUT</b>					
Voltage	155~300 Vac			176~300 Vac	
Frequency	40~70 Hz			46~64 Hz	
Power factor	≥0,99				
<b>OUTPUT</b>					
Power (kVA/kW)	1/0.9	2/1.8	3/2.7	6/4.8	10/8
Voltage	230Vac ±1%				
Output frequency	50 Hz ±0.25			50 Hz ±0.1	
Outputs	6 IEC		6 IEC and terminals	Terminals	
Type of wave	Pure sinewave				
Harmonic distortion	THD < 3% (linear load)				
Crest factor	3:1				
<b>BATTERIES &amp; BACKUP TIME</b>					
Standard battery	Lead battery with anti-leak, VRLA type				
Backup time	Up to many hours (depend on connected load)				
Charge time	4h-90%				
<b>INDICATORS</b>					
LCD display	Load level, battery level, input/output voltage and frequency, operating mode, and fault or warning indicator				
Acoustics	Battery Mode, low battery, overload, fault, bypass mode				
<b>COMMUNICATIONS</b>					
Control software	View Power				
Communications	RS232 and USB				
Indicators	Automatic shutdown of applications, input/output voltage and frequency, load status, battery capacity, temperature, historic events, system analysis				
SNMP card	Optional				
<b>PROTECTION</b>					
Protection	Low battery, current limitation, overload, short-circuit, temperature and output over/low voltage				
Automatic bypass	Yes				
RFI filter	Yes				
PFC: Power factor corrector	Yes				
<b>STANDARDS</b>					
Mark	CE				
Directives	EN 62040-1, EN 62040-2 (EMC)				
<b>OTHERS</b>					
Operation temperature	0-40°C				
Relative humidity	0-95% (non-condensing)				
Altitude without decreasing power	1000 meters over sea level				
Acoustic level	<50dBA			<55dBA	<58dBA
Dimensions** WxDxH (mm)	438x310x88	438x410x88	438x630x88	438x530x88	438x580x133
Dimensions U	2U			2U+3U	3U+3U
UPS Weight ** (kgs)	12	19	29.3	15	18

\*For models over 6kVA, 1 year warranty.

\*\*Indicated dimension and weigh for UPS models with internal batteries (10 minutes of autonomy).

Rest of models and backup times with external battery module, consult weights and dimensions.

Specifications may be changed without notice.

