

# Vesta series

Performance that defies looks...



## Features

- Intelligent Micro Controller
- Active Power Factor\*
- SMPS based Charger\*
- Informative LCD Panel
- High Efficiency
- Compact Size

## Applications

- Computer & Communication
- Banking & Data-processing
- Security & Emergency System
- Laboratory & Medical Equipment
- Automatic Control System
- Work Station & Network

True Online UPS Systems



# HB Series

## Technical Specifications for Vesta Single Phase

### Models

Rating  
AC INPUT  
Frequency  
DC VOLTAGE:  
Charging Time  
Charger Type

### INVERTER:

Technology  
Output Voltage  
Voltage Regulation  
Frequency  
Waveform  
Harmonic Distortion  
Inverter Efficiency  
Power Factor  
Overload  
Crest Factor

Transient Recovery  
Audible Noise

### METERING:

Microprocessor based Digital LCD Meter for

### GENERAL:

Dimensions (LxWxH)mm  
Operating temperature  
Humidity

### PROTECTIONS :

Output Overload & Short circuit, Output Under & Overvoltage, DC Under & Overvoltage  
Input Under & Overvoltage, Single Phasing & Phase unbalance

### INDICATIONS & ALARMS:

- Mains on
- Inverter on
- DC Low
- Fault
- Output Overload
- Mains fail

### BYPASS FACILITY

- Manual Bypass Switch
- Static Bypass Switch(Optional)

### MPS 03, MPS 04, MPS 05

**3 KVA, 4KVA, 5KVA**  
230V + 15% -20% Single Phase Input  
50Hz  $\pm$  6%  
48V DC, 72V DC, 120V DC  
6 Hours for 90% of full Capacity  
CVCC Internal Controlled Rectifier type

IGBT Double Conversion  
230V AC Single Phase  
 $\pm$  1% for DC I/p variation & o/p load variation  
50Hz  $\pm$  0.05Hz  
PWM Sine wave  
Less than 3%  
> 90%  
0.8  
150% for 60 sec  
3:01

$\pm$  4% under full load change and corrected within 60msec  
Less than 45 dB at 1 Meter

Output Voltage, Output current & Frequency, DC Voltage & Current, Battery and Load Percentage

640x 240x 500  
0°C to 50°C  
Max 95%, Non-condensing

Indication  
Indication  
Indication & Alarm  
Indication & Alarm  
Indication & Alarm  
Indication & Alarm

Provided as Standard feature  
Bi-directional