



ISO 9001 : 2008

Uninterrupted Power Supply Systems 1 to 250 kVA



ENERTECH UPS PVT. LTD.
For every thing in Power Solutions

Introduction

Enertech® UPS Pvt. Ltd. is now a family of 6000 plus satisfied customers who are using Enertech® UPS System & Power Electronic products, serviced over last 20 years.

Enertech® is committed to offering very reliable solutions in Power Electronics. We undertake detailed study of load, backup time required, energy losses & recommend most optimum & effective backup power solution.

We service and support systems with technology upgrades, modules replace etc. and our customers have enjoyed 98% and above uptime, for the systems which are 15 years older !!

Company Profile

Enertech® UPS Pvt. Ltd. is a professionally managed organization with a track record that starts way back in 1990. The organisation specialises in offering cost effective power solutions to various power quality related problems. Today, Enertech is growing at a faster pace by developing more value added products in to its quality power solutions. Our products have passed most critical environmental test, EMI / EMC test, vibration tests and a number of UPSs are used in rugged environment of Defense and Railways.

Today, Enertech has more than 6000 highly satisfied customers with number of installations reaching 1,00,000, worldwide.

Manufacturing and R & D facilities

Enertech® UPS systems are manufactured in 13,000 sq. ft. ultra modern facility at Pirangut, Pune. Spearheaded with a dedicated team of R & D, Design, Engineering, Documentation, Procurement, Manufacturing, QC and Testing departments offering a world class product to the end customer.

Quality

Enertech® UPS Pvt. Ltd. is certified under ISO 9001:2008, have been achieving high standards of customer satisfaction through excellent quality. Our systematic approach and investment in equipments, methods, manpower training have achieved highest standards of quality in the product offering.

Support & Services

Enertech® UPS Pvt. Ltd. offers pan India support. It has service offices at more than 23 locations. We offer 24x7x365 online / onsite support, maintaining 99.96 % uptime.

We undertake AMC of the systems supplied that includes activities like ;

- Cleaning of the equipment
- Checkpoint wise maintenance
- Replacement of weak components to achieve high MTTR
- Examination of battery cells
- Environment checks
- Upgrade of old systems to latest technology

Certificates & Approvals

Enertech® systems are installed for a variety of different applications. We have received approvals and certificates from following type testing bodies :

- | | | |
|--------|---------------|-------------|
| ■ ISRO | ■ RCI | ■ DGQA |
| ■ ARAI | ■ ETDC / ERTL | ■ VRDE |
| ■ BARC | ■ Railways | ■ RCF / ICF |
| ■ NTPC | | |

Our UPS are available under **DGS&D rate contract.**

Success Stories & Milestones

During past two decades Enertech has delivered various solution to meet customer requirements. Some of them are ;

2001 : Microprocessor based Energy savers for offices, homes, factories.

2001 : Microprocessor based UPS systems with CPU control.

2002 : UPS system for Lifts / Elevators in high-rise buildings.

2003 : 110 V / 220 V - 100 A Charger

2004 : Charger & Inverters for Windmill system in multiples of 1 kW to 10 kW

2005 : Desktop UPS & small foot print UPS system

2006 : IGBT based rectifiers

2007 : Windmill Charger, Inverter, Control panel for Wind mill

2008 : 150 kVA online UPS in parallel redundancy & hot stand by mode

2009 : High current rating charger for Marine application

2009 : Variable input voltage & frequency UPS

2010 : Onilne UPS 250 kVA, 3 Ph online UPS

2010 : Load sharing UPS

2010 : UPS for mobile applications

Nano Series

Features

- Double conversion online UPS
- Input power factor near unity
- Low input current distortion
- Active power factor correction
- High efficiency
- Inbuilt galvanic isolation transformer
- Advanced network connectivity
- IGBT based design

Optional

- Mobile connectivity
- Redundant UPS for 24x7 operation (hot standby and load sharing)
- Harmonic filter at the UPS input (Active / Passive)
- SNMP / MODBUS connectivity

Application areas Servers, SOHO, SMEs, BFSI (24x7 operation)



Specifications

Rating

INPUT

Nominal Voltage
Nominal Frequency
Input Power Factor
Input THDI

OUTPUT

Voltage
Waveform
Frequency
Total Harmonic Distortion
Crest Factor
UPS Technology
Overload Capacity
Bypass & Transfer time
Overall Efficiency

BATTERY

Battery Voltage
Type
Charging Current

PROTECTIONS

INDICATIONS

LCD & LED

METERING

GENERAL

Efficiency (Inverter)
Noise (above ambient)
Cooling
Communication

DIMENSIONS

W x D x H (approx)
Weight in Kg

1 kVA	2 kVA	3 kVA	5 kVA	7.5 kVA	10 kVA
230 V AC (160 - 280 V) 1 Ph 50 Hz (± 3%) > 0.9 - Unity			230 V AC (170 - 280 V) 1 Ph 50 Hz (± 3%) > 0.9 - Unity		
10% Typical					
230 V AC ± 1% Pure Sinwave 50 Hz ± 0.5% 3%			230 V AC ± 1% Pure Sinewave 50 Hz ± 0.5% 3%		
3:1 Double conversion, Microprocessor based IGBT, PWM Technology 125% for 1 min, 150% for 10 sec 0 m sec > 85% to 93 % (typical)					
36 V	72 V	96 V	120 / 192 V	168 / 180 V	196 V
Sealed Maintenance Free (SMF-VRLA) / Lead Acid -Tubular 10% of AH Rating					
DC over, DC under, Short Circuit, Overload, AC under, AC over					
Mains ON, UPS ON, Battery Percentage, Load Percentage, AC under, AC over, DC under, AC over, Overload					
LCD Meter, Input Voltage, Output Voltage, Input Frequency, DC Voltage					
> 90% to 93% (typical) < 50 db Forced Air Shutdown Software / RS - 232 / RS 485* SNMP* / Mobile Connectivity*					
152 x 420 x 237		225 x 420 x 360		400 x 610 x 650	
10	18	20	50	60	70

* Specifications are subject to change without notice

Concord Series

Features

- Double conversion online UPS
- Input power factor near unity
- Low input current distortion
- Active power factor correction
- High efficiency
- Inbuilt galvanic isolation transformer
- Advanced network connectivity
- IGBT based design

Optional

- Mobile connectivity
- Redundant UPS for 24x7 operation (hot standby and load sharing)
- Harmonic filter at the UPS input (Active / Passive)
- SNMP / MODBUS connectivity

Application areas Servers, SOHO, SMEs, BFSI (27x7 operation), Small offices



Specifications

Rating

INPUT

Nominal Voltage

Nominal Frequency

Input Power Factor

Input THDI

OUTPUT

Power

Voltage (3+1)

Waveform

Frequency

Total Harmonic Distortion

Crest Factor

UPS Technology

Overload Capacity

Bypass & Transfer time

Overall Efficiency

BATTERY

Battery Voltage

Type

Charging Current

PROTECTIONS

INDICATIONS

LCD & LED

METERING

GENERAL

Efficiency (inverter)

Noise (above ambient)

Cooling

Communication

DIMENSIONS

W x D x H (approx)

Weight in Kg

10 kVA	15 kVA	20 kVA	25 kVA	30 kVA	40 kVA
415 V AC (360 – 480 V) 3 Ph					
50 Hz (± 3%)					
> 0.9 to Unity					
10% Typical					
8 kW	12 kW	16 kW	20 kW	24 kW	32 kW
230 V AC ± 1%			230 V AC ± 1%		
Pure Sinewave			Pure Sinewave		
50 Hz ± 0.5%			50 Hz ± 0.5%		
3%			3%		
3:1					
Double conversion, Microprocessor based IGBT, PWM Technology					
125% for 1 min, 150% for 10 sec					
0 m sec					
> 85% to 93% (typical)					
324 V	360 V	384 V	324 V	360 V	384 V
Sealed Maintenance Free (SMF - VRLA) / Lead Acid -Tubular					
10% of AH Capacity					
DC over, DC under, Short Circuit,					
Overload, AC under, AC over					
Mains ON, UPS ON, Battery					
Percentage, Load Percentage, AC under,					
AC over, DC under, DC over, Overload					
LCD Meter, Input Voltage, Output Voltage,					
Input Frequency, DC Voltage					
> 90% to 93% (typical)					
< 50 db					
Forced Air					
Shutdown Software / RS - 232 / RS 485*					
SNMP* / Mobile Connectivity*					
600 x 700 x 750			700 x 750 x 750		
90	110	125	150	170	180

* Specifications are subject to change without notice

Atlas series

Features

- Double conversion online UPS
- Input power factor near unity
- Low input current distortion
- Active power factor correction
- High efficiency
- Inbuilt galvanic isolation transformer
- Advanced network connectivity
- IGBT based design

Optional

- Mobile connectivity
- Redundant UPS for 24x7 operation (hot standby and load sharing)
- Harmonic filter at UPS input (Active / Passive)
- SNMP / MODBUS connectivity

Application areas

Servers, Datacenters, Industrial Automation, 24x7 operations



Specifications

Rating

INPUT

Nominal Voltage (3+1)

Nominal Frequency

Input Power Factor

Input THDI

OUTPUT

Power

Voltage (3+1)

Waveform

Frequency

Total Harmonic Distortion

Crest Factor

UPS Technology

Overload Capacity

Bypass & Transfer time

BATTERY

Battery Voltage VDC

Type

PROTECTIONS

INDICATIONS

LCD & LED

METERING

GENERAL

Efficiency (inverter)

Noise (above ambient)

Cooling

Communication

DIMENSIONS

W x D x H (approx)

Weight in Kg

60 kVA	80 kVA	100 kVA	120 kVA	160 kVA	200 kVA	250 kVA
380 / 400 / 415 V AC (350 - 460 V AC)						
50 Hz / 60 Hz (± 3%)						
0.8 / 0.95 / 0.99 (Optional)						
10% Typical						
48 kW	64 kW	80 kW	96 kW	128 kW	160 kW	200 kW
380 / 400 / 415 V AC, ± 1%						
Pure Sinewave						
50 Hz (± 0.5%)						
3%						
3:1						
Double conversion, Microprocessor based IGBT, PWM Technology						
125% for 1 min, 150% for 10 sec						
0 m sec						
324	360	384	324	360	384	384
Sealed Maintenance Free (SMF-VRLA) / Lead Acid -Tubular						
DC over, DC under, Short Circuit, Overload, AC under, AC over						
Mains ON, UPS ON, Battery Percentage, Load Percentage, AC under, DC under, AC over, Overload						
LCD Meter, Input Voltage, Output Voltage, Input Frequency, DC Voltage						
> 90% to 93% (typical)						
< 50 db						
Forced Air						
Shutdown Software / RS-232*						
SNMP*/ Mobile Connectivity*						
700 x 740 x 1800			1240 x 800 x 1800		1640 x 875 x 1900	
300	335	365	455	490	550	1850

* Specifications subject to change without notice

Our Other Products & Solutions

Renewable Energy

- Solar Power Packs
- Solar Grid Tied Inverters
- Windmills



Industrial Inverters

- Induction Motors
- Lifts
- Process Plants



Remote Monitoring Solutions

- Battery Monitoring S/W
- Mobile Connectivity
- SNMP / MODBUS

Stabilisers

- From 1 to 400 kVA
- CNC Machines
- Automation
- Industrial requirements



Inverters

- 48, 110, 220 DC for Telecom, Railways & Power Station applications



Battery Chargers

For Marine & Defense applications

LED Lighting Solutions

- Street Lights
- Industrial / High Bay Lighting
- Spot Lights
- LED Strips • Office Lights



Our Esteemed Customers



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