



Volt Tech

ONLINE UPS

1 KVA TO 180 KVA

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Volt Tech

BEST ONLINE UPS FOR :



Data Centre &
IT Infrastructure



Healthcare & Medical
Facilities



Telecom and
Broadcasting



Industrial Automation
& Manufacturing



Banking & Financial
Services



Retail and Point-of-Sale
System



Security & Surveillance
Systems



Educational Institutions
& Laboratories



Office & Residential
Use



Table Of Contents

- About Company
- Brand Ethics
- Online UPS
- Why VOLT TECH ?
- Atharva 1 - 1 Series
- Atharva 3 -1 & 3 - 3 Series
- Applications of Online UPS
- Our Customers

About Company

Volt Tech was founded in 2017 with exemplifies visionary leadership and innovative thinking. The company carries a rich legacy spanning nearly 08 years and has emerged as India's leading power conditioning equipment and transformer Manufacturer and supplier.

Our vision is to carve a distinct and impactful niche in the production and supply of robust power conditioning solutions such as High-capacity Transformers, Servo Stabilizers and various Electrical Products through an efficient network of channel partners in India. Besides, our Company is committed to facilitating the renewable energy goals of industries and economies through research-based and cost-effective solar power solutions.

To successfully analyze the present and future needs of national and international markets and meet their expectations with the most advanced, efficacious, and budget-friendly solutions. Moreover, to continuously add value to Volt Tech's products and services by leveraging innovations, incorporating skills, and adhering to professional ethics.

Brand Ethics



Customer Service Support

Volt Tech believes in maintaining a long-term relationship with our clients by providing dedicated customer service support and ensuring to resolve all our client's queries.



Better Quality, Affordable pricing

With our state-of-the-art infrastructure, we deliver world-class products. We provide it at affordable pricing, which has helped us establish industry benchmarks.



Valuing Trust, Confidence, and Loyalty

Our brand is based on its belief in valuing trust, confidence, and loyalty shown by our clients and team members. We thrive on these core pillars and proudly steadfast them.



Honesty and Hard work

Volt Tech believes in maintaining a long-term relationship with our clients by providing dedicated customer service support and ensuring to resolve all our client's queries.



Maintaining Stipulated Delivery time

We are known for our quality. We also maintain a stipulated delivery time that has always outperformed our client's expectations and earned an esteemed reputre for us.



Putting 100% efforts round-the- clock and thriving!

Our team works around the clock with utmost diligence to ensure that our clients receive high-quality products. It is for their dedication and efforts that we are continuously thriving in the global market.



ONLINE UPS

On-line UPS abbreviated as OUPS is a type of UPS that uses a combination of rectifier and inverter circuits in order to provide continuous power to the load from the supply source without any interruption. From continuous power here we mean that power is supplied to the load in case of availability from the source and power outage as well with zero transfer time. On-line UPS is sometimes also known as double-conversion system. The reason for calling it so because, within an online UPS system, power conversion occurs twice as the circuit includes a rectifier and an inverter.

Key Features of Online UPS

- **Isolation from Power Fluctuations**

Online UPS systems provide a seamless transition to battery power during power outages or irregularities in the main power supply. This isolation protects sensitive electronic equipment from potential damage and data loss.

- **Improved Power Quality**

By constantly regulating and filtering the incoming power, online UPS units deliver a clean and stable power output. This is particularly important for devices that are sensitive to voltage variations, such as servers, networking equipment, and medical devices.

- **Zero Transfer Time**

Online UPS units boast a zero transfer time when switching to battery power. This instantaneous switchover ensures that connected equipment remains powered without any disruption, making online UPS systems ideal for critical applications that demand continuous operation.

- **Scalability and Redundancy**

Many online UPS systems are designed with modular components, allowing for easy scalability to accommodate growing power needs. Additionally, redundant components can be incorporated to enhance system reliability and minimize the risk of downtime.

- **Remote Monitoring and Management**

Advanced online UPS models often come equipped with remote monitoring and management capabilities. This enables administrators to monitor the UPS status, perform diagnostics, and even initiate shutdown procedures from a remote location, enhancing overall system control.



WHY VOLT TECH ?

There are many servo stabilizer manufacturers in the market, but we are the best because our specialties are :

- Advanced Technology and Design
- 10 Years of Excellence in Voltage Stabilization & Power Backup
- Comprehensive Protection Features
- Versatility and Customization
- Guarantee of Superior Quality and Best Workmanship
- Very Economical and Cost-Efficient Construction
- Best Durability and Heavy-Duty Products
- High Efficient with Energy Saving Technology
- Up to dated Indian Standard
- Tested at NABL Approved Testing Laboratories
- Power Packed with Latest Technologies

Benefits of Online UPS

• Continuous Power Supply

One of the primary advantages of online UPS is its ability to provide a continuous power supply to connected devices. The online UPS constantly draws power from the battery, ensuring a seamless transition in case of power interruptions or fluctuations in the main power source.

• Improved Power Quality

The continuous double-conversion process of online UPS units results in improved power quality. These systems provide a clean and stable power output with consistent voltage and frequency, which is essential for devices that are sensitive to variations in power.

• Protection Against Power Disturbances

Online UPS systems act as a barrier against a wide range of power disturbances, including voltage irregularities and frequency variations. This protection is crucial for critical applications in industries such as healthcare, information technology, and manufacturing.

• Battery Backup for Extended Outages

Online UPS systems typically include a battery backup that can provide power during extended outages. The size and capacity of the battery determine how long the UPS can sustain connected devices without utility power, offering additional time for data saving and orderly shutdown procedures.



ATHARVA 1-1 SERIES

1 KVA TO 20 KVA

FEATURES

- High frequency on-line double conversion technology.
- DSP (Double Signal Processors) control technology.
- Active power factor correction (APFC), Input power factor up to 0.99.
- Output power factor 0.8.
- Wide input voltage range (110V ~ 300 Vac) and frequency range (40 ~ 70 Hz).
- Auto sensing frequency.
- 50/60 Hz frequency conversion.
- Cold start.
- Rear ventilation design and variable speed fan.
- Quick and stable charging.
- Effective software and hardware protection.
- Linear derating in low voltage input reducing battery discharging times.
- Settable delayed start when power is restored.
- Advanced battery management (ABM).
- Multiple functions settable via LCD, Output Voltage, EOD, Auto-Start, Bypass Mode, ECO mode and frequency conversion mode.
- Multi-platform communications.



Real Panel

1. Overcurrent Protection
2. AC Input
3. Modem/Tel/Fax
4. DC Input
5. Outlets
6. Fan
7. RS232
8. USB (Optional)
9. EPO (Optional)
10. SNMP (Optional)

TECHNICAL SPECIFICATION 1 - 1 SERIES

CAPACITY	1 KVA	2 KVA	3 KVA	5 KVA	7.5 KVA	10 KVA	20 KVA
INPUT							
Voltage Range	160 to 270V AC						
Frequency Range	46 to 54 Hz						
Power Factor	>0.99						
INVERTER/OUTPUT							
Voltage	230V AC Single Phase \pm 1%						
Frequency	50 Hz \pm 1%						
Distortion	\leq 2% for 100% Linear Load, \leq 5% for 100% Non-Linear Load						
Waveform	True Sine Wave						
Overall Efficiency	\geq 90%						
Crest Factor	3 : 1						
Overload Capacity	125% of rated load for 1min, 150% of rated load for 30 sec						
Short Circuit	UPS Output turns off automatically						
BATTERY							
Model	12 V Sealed lead acid maintenance free						
Voltage	120 V to 192 V (Adjustable)						
Recharge Time	8 – 10 Hours from fully discharged condition to 100% charged condition						
DC Bus Ripple	< 1%						
OTHERS							
Communication Port	RS 232 (Optional)						
User Friendly MIMIC	UPS Status, Battery Level, Load Level, Fault Line						
Protection	Over/Under Voltage at I/P Short Circuit & Overload Lightning/Surge						
LED/LCD Display	Utility, Inverter, Battery %, Load %, Frequency						
Audible Alarm	Utility Failure, Beeps/4s; Battery Low, Beeps/1s; UPS Fault, Continuous Alarm						
UPS Abnormal	Continuous Beep and Red LED On						
Noise Level	<50Db at full load from 1m distance						
Ambient Temperature	<40 ^o C						
Humidity	10% - 90% (Noncondensing)						
Cold Start Facility	Available						

- Derate capacity to 70% in CUCF mode and to 90% when the output voltage is adjusted to 208Vac
- S means Standard model, H means Long Time model
- All specifications subject to change without notice
- Custom made specifications are available



ATHARVA 3-1/3-3 SERIES

6 KVA TO 180 KVA

FEATURES

- High frequency on-line double conversion technology.
- DSP (Double Signal Processors) control technology.
- Active power factor correction (APFC), Input power factor up to 0.99.
- Output power factor 0.8.
- Wide input voltage range (110V ~ 300 Vac) and frequency range (40 ~ 70 Hz).
- Auto sensing frequency.
- 50/60 Hz frequency conversion.
- Cold start.
- Rear ventilation design and variable speed fan.
- Quick and stable charging.
- Effective software and hardware protection.
- Linear derating in low voltage input reducing battery discharging times.
- Settable delayed start when power is restored.
- Advanced battery management (ABM).
- Multiple functions settable via LCD, Output Voltage, EOD, Auto-Start, Bypass Mode, ECO mode and frequency conversion mode.
- Multi-platform communications.



Real Panel

1. Overcurrent Protection
2. AC Input
3. Modem/Tel/Fax
4. DC Input
5. Outlets
6. Fan
7. RS232
8. USB (Optional)
9. EPO (Optional)
10. SNMP (Optional)

TECHNICAL SPECIFICATION 3 - 1 / 3 - 3 SERIES

CAPACITY	6 KVA – 480 KVA
<i>Micro Processor based Double Conversion True Online IGBT Technology</i>	
INPUT	
Voltage Range	<i>Three Phase 415 V ±10%</i>
Frequency Range	<i>46 to 54 Hz</i>
Power Factor	<i>>0.99</i>
UPS/OUTPUT	
Voltage	<i>230V AC Single Phase ± 1% / ±1% Adjustable</i>
Frequency	<i>50 Hz ±1%</i>
Distortion	<i>≤ 2% for 100% Linear Load, ≤5% for 100% Non-Linear Load</i>
Waveform	<i>True Sine Wave</i>
Overall Efficiency	<i>≥90%</i>
Crest Factor	<i>3 : 1</i>
Overload Capacity	<i>125% of rated load for 1min, 150% of rated load for 30 sec</i>
Short Circuit Protection	<i>Inverter Output / Rectifier Output short circuit protection</i>
Output Power Factor	<i>>0.8</i>
Total Harmonic Distortions	<i>Less than 2% for linear load</i>
BATTERY	
Model	<i>12 V Sealed lead acid maintenance free</i>
Voltage	<i>360 V (Adjustable)</i>
Recharge Time	<i>8 – 10 Hours from fully discharged condition to 100% charged condition</i>
DC Bus Ripple	<i>< 1%</i>
OTHERS	
User Friendly MIMIC	<i>UPS Status, Battery Level, Load Level, Fault Line</i>
Protection	<i>Over/Under Voltage at I/P Short Circuit & Overload Lightning/Surge</i>
LED/LCD Display	<i>Utility, Inverter, Battery %, Load %, Frequency</i>
Audible Alarm	<i>Utility Failure, Beeps/4s; Battery Low, Beeps/1s; UPS Fault, Continuous Alarm</i>
UPS Abnormal	<i>Continuous Beep and Red LED On</i>
Noise Level	<i><50Db at full load from 1m distance</i>
Ambient Temperature	<i><40° C</i>
Humidity	<i>10% - 90% (Noncondensing)</i>
Cold Start Facility	<i>Available</i>

- Derate capacity to 70% in CUCF mode and to 90% when the output voltage is adjusted to 208Vac
- S means Standard model, H means Long Time model
- All specifications subject to change without notice
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Applications of ONLINE UPS :

- Air Conditioners Plants
- Medical Equipments
- Offset Printing Presses
- CNC Machines
- Escalators and Elevators
- Industrial & Lightning Equipment
- Shopping Malls
- Commercial Complexes
- Home & Offices
- Telecommunication Systems
- Advanced Laboratory Equipment
- Defence Equipments
- Engines
- Cement Plants
- Hotels
- Industries
- Research & Development Facilities
- Data Centres
- Distilleries and Beverages
- Tea Plantations
- Metrological Equipments
- Food Processing Equipments
- Cold Storage
- Rubber Industries
- Rice Mills
- Sugar Mills
- RO Plaants





Our Products

Power Conditioning Segment :

- Servo Voltage Stabilizer
- Online UPS
- CVTs
- Electrical Panels

Power Segment :

- Distribution Transformer
- Power Transformer
- Step Up & Down Transformer
- Isolation Transformer

Renewable Energy Segment :

- Solar Panels
- Solar Inverters
- Solar Charging Controller
- Solar Batteries

Construction Segment :

- Commercial Construction
- Industrial Construction
- Underground Wiring
- Underground Pipelines
- Road Construction
- Bridge Construction
- Railway Track Construction
- Road & Highway Lights



Premium Customers



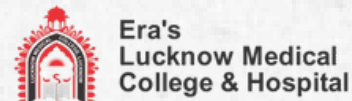
उत्तर प्रदेश
राज्य सड़क परिवहन निगम



लखनऊ मेट्रो



Our Customers



www.volttech.co.in



Volt Tech



EXCLUSIVE

MEGA DEALS

ON ALL VOLT TECH PRODUCTS



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