

# ONLINE UPS

## ETXi HF Series

1 kVA ~ 10 kVA (1:1 Phase)



— ENERGY THAT  
DRIVES FUTURE

*Answering All Power Needs*



[www.enertechups.com](http://www.enertechups.com)

**EnerTech**  
*Answering All Power Needs*

# 30 Years Experience In Manufacturing And Development In Cutting Edge Inverter And Converter Technology.

## ABOUT ENERTECH

Enertech® UPS Pvt. Ltd. is a leading fast moving Indian multinational manufacturing company, providing the next generation technology products solutions for the Renewable and Power sectors.

We provide a comprehensive wide range of power management solutions including *Solar hybrid Inverter, Solar UPS, Online UPS, Industrial UPS, Industrial Battery Charger, Static Frequency Converter.*

With the in-house R&D setup Enertech strive for constant success in leveraging technological innovation with next generation patented technology solutions.

Enertech® with its head quarter at Pune was established in the year 1989. All operations are at Sigma Level 4.87. The company has purposefully expanded by providing power solutions for *IT, Industrial, Healthcare, Banking, and Infrastructure* over the period and expanded footprints in *Africa, Tanzania, Zambia, Cameroon, Nigeria, Niger, Yemen, Sudan, Zimbabwe, USA.*



Leading Power Solution Provider



35+ Partners Across India



20000+ Esteemed Customers

## OUR GOAL

### VISION

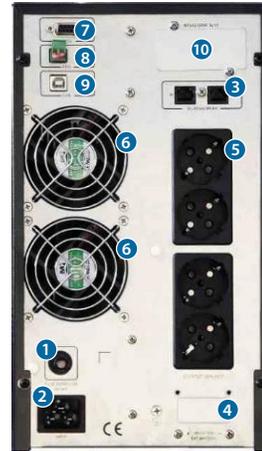
- To be the most trusted and preferred brand.
- Best in class customer focused approach.
- To provide safe, cost effective, quality products.

### VALUES

- Integrity
- Commitment
- Team Work

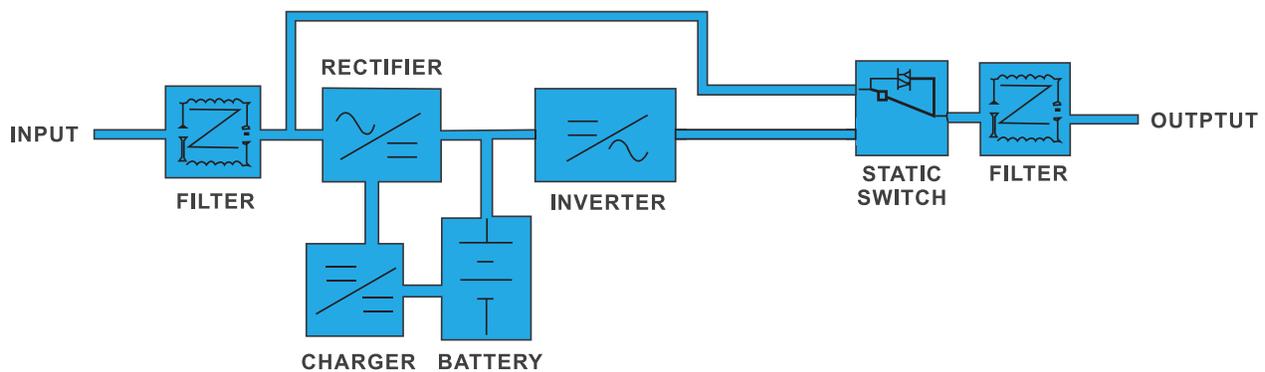
# FEATURES

- High frequency on-line double conversion technology
- Advanced DSP and 3-level technology
- High efficiency 95% (up to 98% in ECO mode)
- Active power factor correction (APFC), input power factor up to 0.99
- Output power factor 0.9
- Advanced digital parallel technology
- Wide input voltage range (140 V ~ 300 Vac) a
- 50 / 60 Hz frequency auto sensing
- Cold start
- Rear ventilation design and variable speed fan
- Effective software and hardware protection
- Quick and stable charging, 90% capacity restored in 3 h (standard model UPS)
- Intelligent battery management, automatic floating / equalizing charge control, charger dormancy control, increasing battery life by 50%



Rear Panel

1. RS232
2. EPO
3. Parallel Port (optional)
4. USB (optional)
5. Temperature Detection (optional)
6. Intelligent Slot
7. Reserved for manual bypass or battery breaker or outlets etc
8. Fan
9. Over Current protection
10. Bypass Breaker
11. Input Breaker
12. Terminal and Cover



# APPLICATIONS

- Banking
- Commercial
- ITes
- Government Offices



# SPECIFICATIONS

MODEL	ETXi HF Series					
Capacity	1 kVA	2 kVA	3 kVA	5 kVA	6 kVA	10 kVA
<b>INPUT</b>						
Single-phase three-wire (1Φ + N + PE)						
Rated voltage	220 / 230 / 240 Vac					
Voltage range	140V to 280 Volt @ < 50% Load, 170 V to 280 Volt @ 100% Load					
Rated frequency	50 / 60 Hz (auto-sensing)					
Power factor	≥ 0.99					
Bypass voltage range	-25% ~ +15% (settable)					
Total harmonic distortion (THDi)	≤ 5-6 %					
<b>OUTPUT</b>						
Output wiring	Single-phase three-wire (1Φ + N + PE)					
Voltage	208 / 220 / 230 / 240 Vac (settable via LCD)					
Voltage regulation	± 1%					
Frequency	45 ~ 55 Hz or 55 ~ 65 Hz (synchronized range); 50 / 60 Hz ± 0.1 Hz (battery mode)					
Waveform	Sine Wave					
Power factor	0.9					
Total harmonic distortion (THDv)	≤ 1% (linear load), ≤ 5% (non-linear load)					
Crest factor	3:1					
Overload	105% ~ 125% for 1 min, 125% ~ 150% for 30 s, > 150% for 300 ms					
<b>BATTERIES</b>						
DC voltage	36 V (H)	72 ~ 96 V (H)	192 ~240 V (H)			
Recharge time	Standard model: 90% capacity restored in 3 hours; Long time model: depend on the capacity of battery					
<b>SYSTEM</b>						
Efficiency	≥ 90% (Mains mode)	≥ 91% (Mains mode)	≥ 92% (Mains mode)	≥94% at 100% load, max. 95% at 60% load,		
	≥ 95% (ECO mode)	≥ 96% (ECO mode)	≥ 97% (ECO mode)	> 98% in ECO mode		
Transfer time	Mains mode to battery mode: 0 ms Inverter mode to bypass mode: 4 ms (typical)					
Protections	Short-circuit, overload, overtemperature, battery discharge protection and fan testing protection					
Communications	RS232 (standard), USB / RS485 / dry contacts / SNMP / battery temperature compensation (optional)					
Display	LCD + LED					
Standards	EN 62040-1, EN 62040-2, EN 61000-3-2, EN 61000-3-3, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2, IEC 62040-2, IEC 62040-1, IEC 62040-3					
<b>OTHERS</b>						
Operating temperature	0°C ~ 45°C					
Storage temperature	-25°C ~ 55°C (without batteries)					
Relative Humidity	0 ~ 95% (non-condensing)					
Altitude	≤ 1000 m, derating 1% for each additional 100 m					
IP rating	IP 21					
Noise level at 1m	≤ 40 dB			≤ 45 dB		≤ 50 dB

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Personnel Pan-India



Pan-India  
Spare Parts Operations



Wide Repair  
Network

## SERVICES

- Start-up / Installation
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- Preventive Maintenance
- Extended Warranty

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**7 x 24 x 365 Customer Service Support**

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### Our Offering

Online UPS, Static Frequency Converter,  
Solar UPS, Industrial Battery Charger

