

# Uninterruptible Power Supply (UPS), 1-10kVA



# YTR11 Series UPS (1-10kVA)

## Product Description

The YTR series UPS incorporates advanced digital control technology, three-level topology, and high-frequency power conversion for superior performance. This compact, high-efficiency UPS system is designed with reliability in mind, providing significant energy-saving benefits that help reduce overall operating costs.



## Key Features:

- **Compact Design, High Performance:** Despite its small footprint, the YTR series delivers outstanding performance and reliability, making it ideal for environments where space is limited but power protection is critical.
- **Integrated Power Solutions:** The UPS combines AC voltage regulation, backup power, and peak surge absorption into one powerful system. It ensures seamless power protection, even in challenging grid environments.
- **Pure, Safe, and Stable Power:** Designed to deliver clean and uninterrupted power, the YTR series safeguards sensitive equipment, ensuring optimal performance and minimizing the risk of damage from power fluctuation.

Rated capacity	<b>1-10kVA</b>
Power supply system	<b>Single input and single output</b>
Rated frequency	<b>50/60 (selfadaptive)</b>
Output voltage	<b>208/220/230/240Vac</b>
Topological structure	<b>Double conversion on-line</b>

## Applications:

- Medical Facilities (Clinics, Labs, etc.)
- Data Centers
- Telecommunication / IT Rooms
- Security Systems
- Manufacturing and Industrial Sites
- Educational Institutions
- Healthcare

## Optional Accessories:





# Benefits of our UPS:

## Exceptional Performance & Efficiency

- **High Efficiency:** Achieves up to 95% efficiency, significantly reducing energy consumption and lowering operational costs for customers.
- **Superior Overload Capacity:** Supports stable operation at 130% load for up to 10 minutes, ensuring uninterrupted power and safe equipment operation during overloads.

## Adaptive to Various Conditions

- **Ultra-Wide Voltage Input Range:** Adapts to varying voltage conditions, making it ideal for use in environments with unstable power supply. Provides a reliable and stable power source even under harsh conditions.

## Cutting-Edge Digital Control Technology

- **Advanced Digital Processing:** Utilizes leading digital control technology for precise and rapid data processing, fast fault diagnostics, and superior protection. This results in higher reliability, improved circuit integration, and enhanced anti-interference capabilities for stable performance.

## Eco-Friendly Two-Way Power Protection

- **Optimized Power Factor:** With an input power factor of  $>0.99$ , the system optimizes energy use, minimizes power loss, reduces grid pollution, and helps lower energy costs.
- **Environmentally Friendly:** All components adhere to international RoHS environmental standards, ensuring the UPS is both green and safe.

## Customizable Power Solutions

- **Standard & Long-Delay Models:** Standard models offer protection for short-term power interruptions, while long-delay models can be configured with additional batteries to extend backup time, ensuring continuous power for critical equipment

## Versatile Communication & Monitoring

- **Smart Battery Management:** Includes intelligent battery detection and self-testing capabilities, allowing users to monitor battery health and capacity in real time. This ensures proper maintenance and prolongs battery life.
- **Comprehensive Battery Protection:** Designed to protect and extend the life of the battery, ensuring it functions optimally when needed.

## Intelligent Cooling for Optimal Performance

- **Smart Fan Control:** Features an intelligent cooling system with adjustable fan speeds based on load, enhancing efficiency, reducing wear, and minimizing system noise. This helps create a quiet, comfortable, and energy-efficient work environment.

\* *Applicable to 6-10kVA models*

# Technical Indicators

Index / Model		YTR1101	YTR1101L	YTR1102	YTR1102L	YTR1103	YTR1103L	YTR1106	YTR1106L	YTR1110	
Input Characteristics	Battery voltage (Vdc)	24	36	48	72	72	96	192 (192~240 can be set)			
	Voltage range (Vac)	120~295						80~275			
	Frequency range (Hz)	50/60±10% (adaptive)									
	Phase	Single-phase three-wire									
	Input power factor	>0.99 (full load)									
	Input current harmonics	<5% (full load)									
Output Characteristic	Rated power (VA/W)	1000/900		2000/1800		3000/2700		6000/5400		10000/9000	
	Output power 24 factor	0.9 (can be set to 1.0 at 0~30°C, 1-3kVA needs software setting)									
	Output voltage (Vac)	208/220/230/240±1%									
	Output frequency (Hz)	Mains mode: synchronized with the grid; battery mode: 50/60±0.2%									
	Waveform (THD)	<2% (linear load), <3% (non-linear load)						<1% (linear load), <3% (non-linear load)			
	Switching time (ms)	0									
	Overload capacity	100%-130% overload: maintain 1min; 131%-150%: overload maintain 1s; 150% or more: overload maintain 200ms						Load<115%: long-term; 115%-130% overload: 10min; 131%-150% overload: 30s; over 150% overload: 0.5s			
	Output method	Output socket				Output socket + terminal block			Terminal block		
Other Features	Overall efficiency	Up to 95%									
	DC start	have									
	Communication function	RS232, EPO (standard); USB, SNMP, dry contact, etc. (optional)									
	Panel display	led						blue screen LCD			
	Audio noise (dB)	<50				<55					
	Alarm function	Battery low voltage, mains abnormality, UPS failure, output overload, output short circuit									
	Protective function	Battery undervoltage protection, overload protection, short circuit protection, over temperature protection, input overvoltage protection.									
	Working temperature	-5~40									
	Environment humidity	0 ~ 95%, non-condensing									
	Dimensions (WxDxH) (mm)	145×360×225			190×400×330				230×502 × 553		190×422×337
Weight (kg)	9.2	4.5	17.7	8.5	22.9	9.2	54.5	11	12.5		

The default charging current of the standard machine is 0.6A, the default charging current of the main machine is 4A, and the 6-10kVA long machine 1~8A can be set on the panel.  
Specifications are subject to change without prior notice..

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