



VI933T Series

80-200kVA 3-phase Tower UPS

More Than Power Backup – It's Power Assurance.

RAPSTECH®

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Key Features

The RAPSTECH VI933T UPS, which delivers full active power by providing exceptional power availability to mission-critical applications. The internal Innovative design and three level technology reduce its footprint to a minimum, providing continuous power protection in a standalone solution, making the RAPSTECH VI933T perfect for vital applications.

VI933T can achieve a remarkable **efficiency level of up to 96.8% in proper online double conversion mode**. RAPSTECH VI933T can further **increase efficiency up to 98.5% by operating in ECO mode**. The RAPSTECH VI933T makes your mission-critical space a peaceful place through its enhanced event analysis, voice notifications for alarms, and an intelligent colored multi-language touch screen LCD display.

The architecture of RAPSTECH VI933T makes it exceptionally easy to install, connect, operate, maintain, and service, making it ideal for a wide range of small and medium business applications. RAPSTECH VI933T also comes equipped with casters to facilitate ease of movement and relocation. Furthermore, RAPSTECH VI933T **features multiple communication ports including dry contacts, SNMP, and Modbus** which enables remote monitoring of the UPS system.

Fully Digital DSP Control



- 3P/3P, 3P/1P, Online double conversion
- 7 inch touch LCD with IoT fu
- Event log storage up to 100,000 events

Intelligent Fan Design



- Automatically adjusts fan speed based on load
- Reduces power consumption & operational noise
- Equipped with fan failure self-check and auto-identification

3 Level Topology Design



- High reliability and environmental adaptability.
- Offers enhanced performance and energy efficiency.
- IGBT rectifier and IGBT inverter

Power Factor Improve



- Input Power Factor (PF) > 0.99
- Total Harmonic Distortion (THDi) < 3%
- Overall system efficiency > 96%

Built-in Power Charger



- LI-Battery compatibility
- Enables fast battery charging and proactive battery capacity management.

Power Problems Management



- Protects against power failure, sag, surge, under/over voltage, line noise, frequency variation, switching transients, harmonic distortion.
- Unity output power factor — kVA equal to kW

Digitally Controlled Battery Management



- Extends battery life with intelligent monitoring and optimization
- Self-aging function enables on-site UPS testing without external load.

Power Optimization



- Wide input voltage range
- Parallel redundancy can be connected
- Optimizes power usage and reduces energy waste

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Advanced Performance

Engineered for Stable Process Performance

In large commercial and industrial environments, power disturbances are not limited to outages. Voltage fluctuations, harmonics, neutral drift, and frequency instability can silently damage critical equipment and reduce system life.

The VI933T Series is designed to eliminate these risks.

Stabilized Output Voltage ($\pm 1\%$)

Protects sensitive electronics and automation systems.

Low Output Harmonic Distortion

Ensures clean sinewave performance for precision loads.

Dynamic Load Response

Maintains output stability even during sudden load changes.

Process Protection Architecture

Zero transfer time ensures continuous operation of mission-critical systems.



Maximum Uptime. Minimum Risk.

For High-Capacity installations, power backup is not just about protection—it is about Business Continuity.

The VI933T Series is engineered to ensure uninterrupted operation even under demanding conditions.

High System Efficiency – Up to 96.8%

- Lower heat dissipation
- Reduced energy cost
- Improved long-term savings

Scalable Architecture

- Parallel capability for capacity expansion
- Ideal for growing infrastructure demands

Wide Operating Environment

- 0–40°C operation
- Up to 95% non-condensing humidity
- Reliable in real-world industrial conditions

Smart Monitoring & Connectivity

- USB | RS232 | RS485 | Dry Contact
- Optional SNMP & AS400 integration
- Remote monitoring capability

Intelligent Battery Management

- Accurate charging control ($\pm 1\%$)
- Optimized battery life
- Supports 30–50 battery configuration

Built for Continuous Operation

- Designed for 24/7 mission-critical applications



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Specifications



Model	VI933T 80KL	VI933T 100KL	VI933T 120KL	VI933T 150KL	VI933T 200KL
Phase	3 Phase in / 3 Phase out, 5 Wire				
Rate Power	80kVA	100kVA	120kVA	150kVA	200kVA
Main Input					
Input	3P5W (3P+N+PE)				
Rate Voltage	380/400/415VAC(L-L) 220/230/240VAC(L-N)				
Rate Freq.	50/60Hz				
Input Pf	>0.99				
Current Distortion	THDi<3%				
Voltage Range	304 478VAC(L-L)full load 304 228VAC (L-L) power derate from 100% to 50%				
Freq. Range	40-70Hz				
Battery					
Rate Voltage	±240VDC				
Quantity	Depend on external battery, 40PCS(default, 30-50 PCS, selceted)				
Charging Capacity	Max. 20%*Pout				
Charging Accuracy	±1%				
Bypass					
Rate Voltage	380/400/415VAC(L-L)220/230/240VAC(L-N)				
Voltage Range	Range: -40%- +25% , Settable, default -20%+15%				
Frequency Range	50/60Hz Settable ±1Hz ±3Hz ±5Hz				
Inverter					
Rate Voltage	380/400/415VAC(L-L) 220/230/240VAC(L-N)				
Rate Freq.	50/60Hz				
Output Pf	1				
Voltage Accuracy	±1.0%				
Output Thdu	<1%(linear load),<5%(non-linear load)				
Overload	110%,1 hour 125%,10 mins 150%,1 min >150%,200ms				
Frequency Accuracy	0.10%				
Synchronize Window	Settable ±0.5Hz-±5Hz default ±3Hz				
Slew Rate	Settable 0.5Hz/S-3Hz/S default 0.5Hz/S				
Crest Factor	03:01				
Phase Accuracy	120°±0.5°				
System					
Efficiency	Up to 96.8%				
Display	LED + 7 inch touch LCD				
Ip Degree	IP20				
Configuration	USB, RS232, RS485, Dry contact, Air filter,Cold start				
Option	SNMP card, AS400 card, Parallel kit				
Environment	0-40°C operation); -25°C ~70 (storage) ; 0-95% (Humidity, non-condensing)				
Compliance					
Safety	IEC62040-1, IEC60950-1				
Ems	IEC62040-2 IEC61000-4-2(ESD) IEC61000-4-3(RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge)				
Physical					
Dimensions W*D*H (Mm)	380*950*900			500*900*1300	
Weight (Kg)	91		100	143	

*Product specifications are subject to change without further notice.

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