



VI933T Series

100-200kVA 3-phase Tower UPS

More Than Power Backup – It's Power Assurance.

RAPSTECH[®]

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Specifications

MODEL	VI933T 100KL	VI933T 120KL	VI933T 150KL	VI933T 200KL
Phase	3 Phase Input / 3 Phase Output, 5 Wire			
Rate Power	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<2%			
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				
Dimension, 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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Key Features

Fully Digital DSP Control



- 3P/3P,3P/1P, Online double conversion
- 7 inch touch LCD with IoT fu
- Ensures high reliability, precision power management, and system stability.

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

High Input & Output



- 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
- Event log storage up to 100,000 events

Power Factor Improve



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



Power Factor Improve :

#Dummy TEXT

Each installation strengthens our commitment to delivering dependable power infrastructure. The VI 933 30kVA lithium-backed system now stands ready to support uninterrupted operations.
#SuccessfulDeployment

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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

RAPSTECH Systems India Pvt Limited

H.No.:1-11-256/C/11, Bhagawanthpur, Gagan Vihar Colony, Begumpet, Hyderabad, India, 500016

info@rapstech.co.in | +91 905 905 1725, +91 9000 374 695 | rapstech.co.in

