



VI933M Series

10-150kVA Modular UPS

More Than Power Backup – It's Power Assurance.

RAPSTECH[®]

VI933M Series

10-150kVA Modular UPS



Specifications

Key Features

Digital DSP Control

- Ensures high reliability, precision power management, and system stability.

Three-Level Topology Design

- Offers enhanced performance and energy efficiency.
- Higher Efficiency and Lower Power Loss.

Digitally Controlled Battery Management

- Extends battery life with intelligent monitoring and optimization.

Built-in Power Charger

- Enables fast battery charging and proactive battery capacity management.

Parallel Redundancy Support

- Supports up to 32 modules in Parallel configuration for higher availability.

Automatically adjusts fan speed based on load

- Reduces power consumption and operational noise.
- Equipped with fan failure self-check and auto-identification.
- Total Harmonic Distortion (THDi) < 3%
- Online Double Conversion System Efficiency up to 97.5%
- Conformal coating – Increased Environmental Protection and PCB Life.
- Supports super charging for high-capacity LI-Batteries.
- Independent Power Modules and No Single Point Failure.
- Hot Swapable – On site replacement
- Self-Aging function – Enable onsite UPS testing without external Load.
- Supports 3/3 and 3/1 Configurations.
- 7-inch touch LCD Display with IOT functions.
- Extreme high-power density, 30Kw IN 2U
- ICP Dust-Free Protection- Independent compartment for sensitive components.
- Smart Monitoring – Real time control via mobile App.



VI933M Series

10-150kVA Modular UPS



Specifications



Model		VI933M-10E			VI933M-20E		VI933M-30E	
		VI20/10E	VI40/10E	VI60/10E	VI80/20E	VI120/20E	VI120/30E	VI150/30
Rate Power		20kVA/20kW	40kVA/40kW	60kVA/60kW	80kVA/80kW	120kVA/120kW	120kVA/120kW	150kVA/150kW
Main Input								
Input		3P5W (3P+N+PE)						
Rate Voltage		380/400/415VAC(L-L)						
Rate Freq.		50/60Hz						
Input Pf		>0.99						
Current Distortion		THDi<2%(100% Linear) load						
Voltage Range		MOD10-25E: 304~478VAC(L-L)full load; 304~228VAC (L-L) power derate from 100% to 50%						
		MOD30E: 324~478VAC(L-L)full load; 324~228VAC (L-L) power derate from 100% to 50%						
Freq. Range		40-70Hz						
Battery								
Rate Voltage		±120VDC(default 20 Nos,			±240VDC(default 40 Nos,30-50 Nos, selceted)			
Charging Capacity		50%*Pout (Limited by input current)						
Charging Accuracy		±1%						
Bypass								
Rate Voltage		380/400/415VAC(L-L)						
Voltage Range		Range: -40%- +25%, Adjustable, default~ -20% + ;15%						
Overload		<110%, long time operation;110%< load<125%, 10 mins 125%<load<150%,1 min						
Output								
Rate Voltage		380/400/415VAC(L-L)						
Rate Freq.		50/60Hz						
Output Pf		Unity						
Voltage Accuracy		±1.0%						
Output Thd		<1%(linear load),<5% (non-linear load according to IEC 62040-3)						
Overload		110%,1 hour 125%;10 mins 150%,1 min >150%,200ms ;						
Frequency Accuracy		0.1%						
Synchronize Window		Adjustable ±0.5Hz-±5Hz default ±3Hz						
Slew Rate		Adjustable 0.5Hz/S-3Hz/S default 0.5Hz/S						
Phase Accuracy		120°±0.5°						
System								
Efficiency-Normal Mode		Up to 97.5%						
Efficiency Eco-Mode		Up to 99%						
Display		LED + 7 inch touch LCD						
Compliance - Safety		IEC62040-1, IEC60950-1						
Compliance - Ems		IEC62040-2	IEC61000-4-2(ESD)	IEC61000-4-3(RS)	IEC61000-4-4 (EFT)	IEC61000-4-5 (Surge)		
Ip Degree		IP20						
Configuration		USB, RS232, RS485, Dry contact						
Optional		SNMP card, AS400 card, Parallel kit						
Environment								
Noise(Db)(1 Meter)		65dB @ 100% load, 62dB @ 45% load						
Weight(Kg) Module		12.65			13.85		13.95	
Cabinet		2-Slots		4-Slots(10kVA power module)		4-Slots		6-Slots
		VI020/10E;VI040/20E		VI040/10E		VI080/20E; VI120/30E		VI060/10E; VI120/20E; VI150/30E(5+1)
Dimension (W*D*H)Mm	Body Dimention (Wheels Not Included)	442*711*307(7U)		442*710*485(11U)		442*661*705(16 U)		442*661*906(20U)
	Max Dimention	442*751*397		442*751*575		442*841*797		442*841*976
Weight(Kg) Cabinet		39		52		64		88

*Product specifications are subject to change without further notice.

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 99489 10784, +91 83670 12350 | rapstech.co.in

