



VI933M Series

10 ~ 150kVA Modular UPS

More Than Power Backup – It's Power Assurance.

RAPSTECH[®]

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10~150kVA Modular UPS



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 96.7%
- 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 Swappable – 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.



Model	VI933M-10E			VI933M-20E		VI933M-30E	
	VI20/10E	VI40/10E	VI60/10E	VI80/20E	VI120/20E	VI120/30E	VI150/30E (5+1)
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						
Rate voltage	±120VDC(default 20 Nos, 20-50 Nos, selceted)			±240VDC(default 40 Nos,30-50 Nos, selceted)			
Battery	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 96.7%					
	Efficiency eco-mode	98.7%					
	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	0-40℃ (operation); -25℃~70℃(storage); 0-95% (Humidity, non-condensing)					
	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)
Dimention (W*D*H)mm	Body dimention (Wheels not included)		442*710*485(11U)		442*661*705(16U)		442*661*906(20U)
	MAX dimention		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.



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