



VI933 Series

10-60kVA /KW 3-Phase Rack & Tower UPS

More Than Power Backup – It's Power Assurance.

VI933M Series

10-60kVA /KW 3-Phase Rack & Tower UPS



Advanced Performance

Key Features

- 3P/3P,3P/1P, Online double conversion
- Mounted in 19 inch rack, or install as tower UPS.
- 7 inch touch LCD with IoT fu
- High reliability and environmental adaptability.
- IGBT rectifier and IGBT inverter
- LI-Battery compatibility
- Unity output power factor — kVA equal to kW
- Self-aging function enables on-site UPS testing without external load
- Event log storage up to 100,000 events
- Wide input voltage range
- Parallel redundancy — up to 4 units can be connected

Fully Digital DSP Control

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

3-Level Topology Design

- Offers enhanced performance and energy efficiency.

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.

Intelligent Fan Design

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

High Input & Output

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

Nine Power Problems Management

- Protects against power failure, sag, surge, under/over voltage, line noise, frequency variation, switching transients, harmonic distortion.

Power Factor Improve :

- Optimizes power usage and reduces energy waste.

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Specifications



Model	VI933-10KLR	VI933-15KLR	VI933-20KLR	VI933-30KLR	VI933-40KLR	VI933-60KLR
Rate Power	10kVA/10kW	15kVA/15kW	20kVA/20kW	30kVA/30kW	40kVA/40kW	60kVA/60kW
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)				THDi<3%(100% Linear load)	
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	±120VDC(default 20 Nos, 20-50 Nos, selceted)	±240VDC(default 40 Nos,30-50 Nos, selceted)				
Charging Capacity	50%*Pout				20%*Pout	
Bypass						
Rate Voltage	380/400/415VAC(L-L)220/230/240VAC(L-N)					
Voltage Range	Range: -40%- +25% , Adjustable, default -20%+15%					
Frequency Range	50/60Hz Adjustable; ±1Hz, ±5Hz, ±3Hz					
Output						
Rate Voltage	380/400/415VAC(L-L) ; 220/230/240VAC(L-N)					
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,					
Crest Factor	3:1					
System						
Efficiency	Up to 96.5%					
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					
Environment	0-40 operation -25 ~70 storage 0-95% (Humidity, non-condensing)					
Dimension (W*D*H) Mm	440*620*130 (3U)				440*788*174 (4U)	440*807*218 (5U)
Weight(Kg)	21.4	22.4		22.7	38	60

*Product specifications are subject to change without further notice.



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