



## VR33X Series

UPS 300~600 kVA

- » Efficiency up to 97%
- » Three level technology
- » Support 8 units in parallel, single /parallel system compatible



Computer Room



Data Center



Precision  
Instrument



Intelligent  
Device



Auto  
Manufacturing



Glass & Metallurgy  
Industry



PLC System



Petrochemical  
Industry



Automation  
Equipment

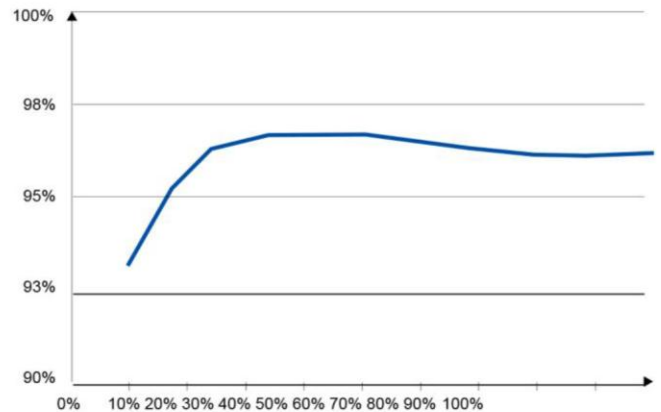


Power Plant



## Green power

- High efficiency in online mode (>97%) reduces heat dissipation and limits power consumption costs
- Efficiency>99% in ECO mode gives significant cost reduction
- THDi ≤3%
- Self-aging function, easy debugging and test on site, reduce power loss.

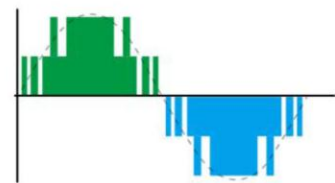


## Advanced technology

- Three level technology, Low harmonic, high efficiency, effectively energy-saving.
- DSP digital control technology, higher data processing accuracy & speed.
- Optimized circuit with highly integrated design to make the performance more stable.
- Support external output transformer connection
- Advanced parallel expansion technology, support 8 units in parallel, single /parallel system compatible.



Two level output voltage waveform



Three level output voltage waveform



## High Reliability

- International top-class brands of major components redundant design for critical circuits
- Dual system control card and dual bypass unit power prevent single failure point
- Large allowance for power module, strong protection for overload and short circuit.
- Strengthen PCBs coating: Anti-salt spray, anti-corrosion, anti- moisture, anti-dust, etc.





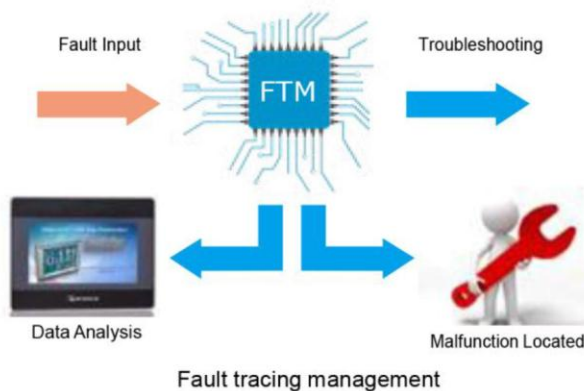
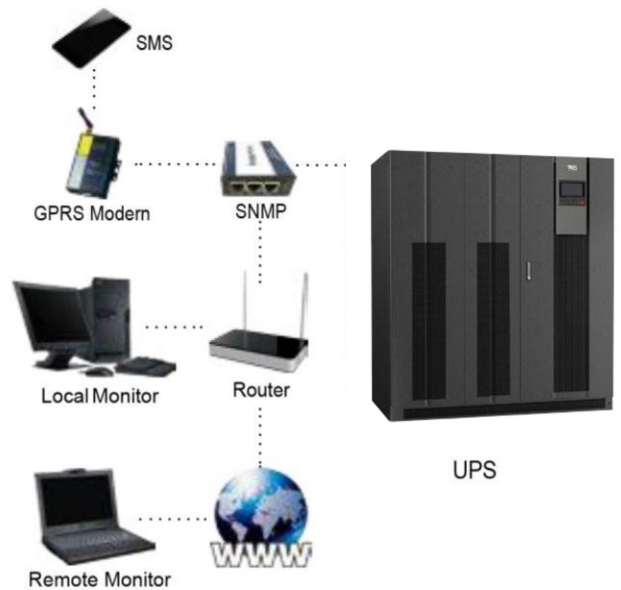
## User-friendly Interface

- User-friendly operation design to avoid false operation
- Large-size touch screen with LED Indicators, comprehensive and visualized information display
- Large data storage capacity, 10000pcs events logs
- Friendly human-machine interface with data and graphical forms



## Intelligent Management

- Multiple communication interface supports UPS and load intelligent monitoring
- Intelligent SNMP achieves local monitoring and remote monitoring
- Battery temperature compensation function improve the battery performance and extend battery use life
- Intelligent fan control according the load capacity reduces the noise and prolongs fan service life
- Fault trace management for convenient failure analysis(100ms waveform record before & after of the fault point)



Automatic fans control

## Technical Specifications

Model	VR33300X	VR33400X	VR33500X	VR33600X
<b>Input</b>				
Voltage(Vac)	380/400/415			
Voltage range	-40% ~ +25%			
Input wiring	3Ph+N+PE			
Rated frequency	50/60Hz			
Frequency range	±5% / ±10%			
PF	0.99			
THDi	≤3%			
<b>Bypass</b>				
Input Voltage	380/400/415Vac			
Voltage range	-25% ~ +20%			
Frequency range	±5% / ±10%			
<b>Output</b>				
Output voltage	380/400/415Vac±1%			
Frequency	50/60±0.1 Hz			
Output PF	0.9/1.0(optional)			
THDV	<0.5%(linear load), ≤5%(nonlinear load)			
Efficiency	Up to 97%			
Output wiring	3Ph+N+PE			
Overload	≤130%, 10min; ≤150%, 1min			
Dynamic response time	20ms			
Dynamic response range	≤5%			
<b>Battery</b>				
Voltage	480Vdc(12V battery from 32 to 44 settable)			
Charging Current	20-100 A			
<b>Other</b>				
Operating temperature(°C)	-5~40°C			
Storage temperature	-25~55°C			
Storage temperature	-25~55°C			
Noise (dB)	<75dB			
Communication	Dry contact、MODBUS、SNMP(optical)			
WxDxH	1400x800x1800(mm)	1400x800x1800(mm)	1600x900x1800(mm)	1600x800x1800(mm)
Weight	950kg	1000kg	1200kg	1300kg

• Specification is subject to change without prior notice.

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