



KR33 Series

UPS 300~1200 kVA

- » AC/AC Efficiency up to 97%
- » Output PF up to 1.0
- » Common battery function
- » Support parallel mode up to 9.6MVA



Finance



Healthy
Care



Data
Center



Internet



Commercial
Building



Industry



Telecom



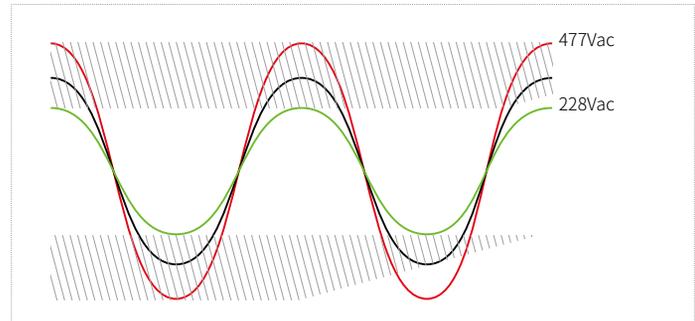
Transportation

KR33 Series UPS



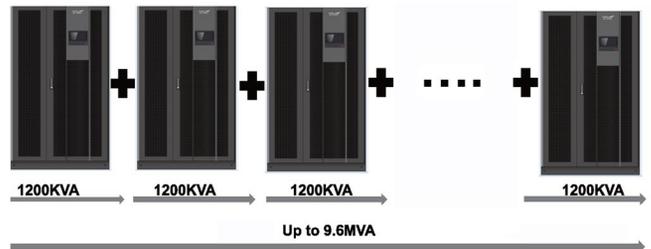
High Reliability

- Wide input voltage range (-40%~+25%) assure high grid adaptability and prolong battery lifetime.
- International top-class brands of major components redundant design for critical circuits.
- Large redundancy for power components, strong protection for overload and short circuit situation.
- Dual power board prevent single failure point.
- DSP+CPLD dual chips ensure fast response and precise control.
- Power walk in function decrease the inrush to mains or generator.
- Anti-corrosion resistant coating in all PCB boards.



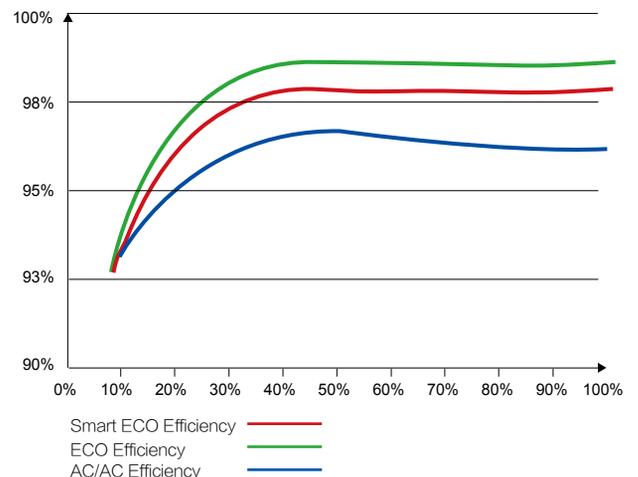
Advanced Technology

- Three level recifier+inverter technology, low harmonic, high efficiency.
- Optimized circuit with highly integrated design to make the performance more stable.
- Support external input/output transformer connection.
- Advanced parallel expansion technology, support 8 units up to 9.6MVA in parallel.
- Parallel ECO technology provides maximum whole system efficiency.
- Common battery bank function can significantly save battery installation space and improve battery utilization.



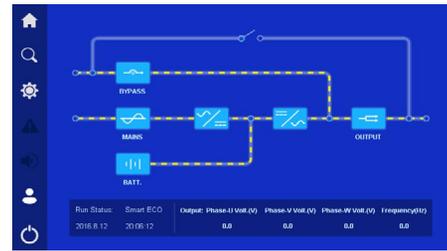
Green Power

- AC/AC efficiency up to 97% and 30% load can reach to 96% efficiency, reduces heat dissipation and power consumption costs.
- ECO mode efficiency up to 99% brings significant power cost reduction. Smart ECO function could reach 98.5% efficiency, THDi below 5% and transfer time below 5ms.
- High input power factor up to 0.99 and low Input THDi: < 2.0% at full load, much less grid pollution and costs.



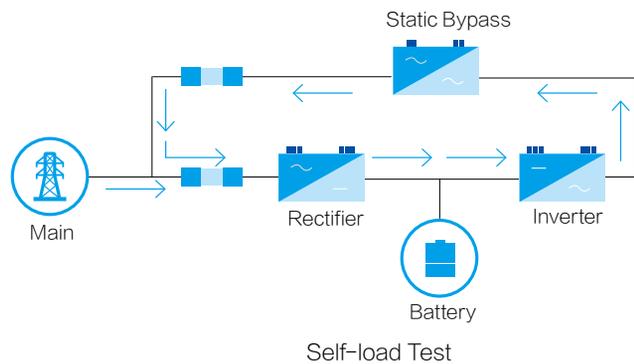
User-friendly Interface

- Patented on/off button design to prevent misoperation.
- 7-inch touch screen with LED Indicators, ensures comprehensive and visualized information display.
- Large data storage capacity, support storing 10000 event logs.
- Friendly human-machine interface with data and graphical forms.
- Smart programmable dry contact communication function.
- Supports for on-site firmware upgrades.



Intelligent Management

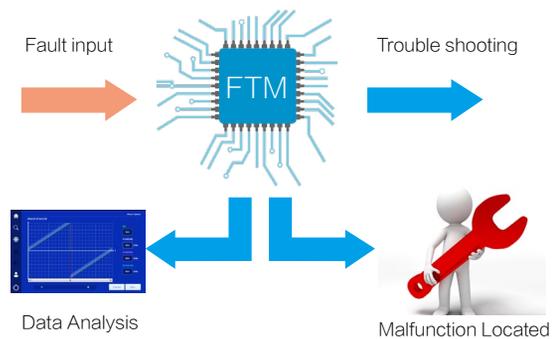
- Multiple communication interface supports intelligent monitoring.
- Battery temperature compensation function improve the battery performance and extend battery life.
- 3-stage battery charging mode which prolong battery life.
- Fault trace management for convenient failure analysis, supports waveform recording up to 100ms before and after failure.
- Self-load test function, no need to prepare test load, easily test on site, reduce power loss and cost.
- Intelligent adjustment of fan speed, according to load capacity and temperature, which can effectively reduce noise and extend fan life.



Intelligent fans control

Optional

- Common bypass cabinet
- Intelligent Battery Monitoring System.
- External input and output isolation transformer
- Battery temperature compensation



Fault tracing management

KR33 Series UPS

Technical Specifications

Model	KR33300	KR33400	KR33500	KR33600	KR33800	KR331000	KR331200
Input							
Rate Voltage	380/400/415						
Voltage Range	228-477 (-40%~+25%)						
Phase	3Ph+N+PE						
Frequency Range (Hz)	50/60 ± 10% (± 5% settable)						
Power Factor	≥ 0.99						
THDi	≤ 2% full load, ≤ 4% half load, ≤ 5% 30% load						
Bypass							
Input Voltage (Vac)	380/400/415 (-25%~+20%)						
Frequency Range	50/60Hz ± 10% (± 5% optional)						
Phase	3Ph+N+PE						
Output							
Output Voltage (Vac)	380/400/415 ± 1%						
Frequency (Hz)	50/60 ± 0.5%						
THDv	Pure sine wave, THD<1% (linear load), THD<3% (nonlinear load)						
PF	0.9 (1.0 optional)						
Max. Efficiency	97%						
Phase	3Ph+N+PE						
Overload	110% load for 60 min , 125% load for 10 min, 150% load for 1 min						
Battery							
Voltage (Vdc)*	480 (12V battery from 32 to 44 cells settable)				528 (12V battery from 32 to 48 cells settable)		
Charging Current (A)	25-100			25-200			
Battery Management	Self-testing function						
Other							
Communication Interface	RS232, RS485, Dry contact, MODBUS, SNMP (optional)						
Display	7-inch touch screen+LED						
Operating Temperature (°C)	-5~40						
Alarm	Input abnormal, battery low-voltage, output overload, UPS failure						
Protection	Short-circuit, overload, over-temperature, battery under voltage, input under voltage						
IP	IP20						
Noise (dB)	<75						
Altitude (m)	1500						
Dimension (W×D×H)(mm)	1000×900×1950		1400×900×1950		1900×900×1950	3000×900×1950	
Weight (kg)	750		1100		1450	2400	

* Specification is subject to change without prior notice.

* For 300-600kVA, output power will derate when battery is less than 38pcs, for 800-1200kVA, derate when battery is less than 40pcs.

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