

True on-line double conversion design

KR33 Series

(300-1200kVA)



Green Power

- High AC/AC efficiency up to 97%
- ECO mode efficiency up to 99%
- High power factor up to 1
- Low THDi <3%



Flexible Design

- Common battery bank sharing in parallel system
- Multiple communication interface
- 3-stage battery charging mode
- Self-load test function without load enables onsite commission
- Common bypass cabinet
- External input and output isolation transformer



Advanced Technology

- Three level inverter technology
- Support parallel mode up to 9.6MVA
- External input/output transformer connection
- Auxiliary power supply redundancy design



ISO 9001
ISO 14001
ISO 45001
Factory Certificate



TIS. 1291 Part 1-2553
TIS. 1291 Part 2-2553
TIS. 1291 Part 3-2553

Technical Specification

MODEL	KR33300	KR33400	KR33500	KR33600	KR33800	KR331000	KR331200
INPUT							
Rate Voltage (Vac)	380/400/415						
Voltage Range (Vac)	228-477 (-40%~+25%)						
Phase	3 Phase 4 Wire (L1,2,3+N+G)						
Frequency Range (Hz)	50/60±10% (±5% settable)						
Power Factor	≥ 0.99						
THDi	<3% (linear load)						
OUTPUT							
Output Voltage (Vac)	380/400/415±1%						
Frequency (Hz)	50/60±0.5%						
THDv	<1% (linear load), <3% (non-linear load)						
PF	0.9 (1.0 optional)						
Max. Efficiency	97%						
Phase	3 Phase 4 Wire (L1,2,3+N+G)						
Overload	110% load for 60 min, 125% load for 10 min, 150% load for 1 min, above 150% will transfer to bypass after 1s						
BATTERY							
	Sealed, Maintenance-free lead acid batteries						
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		
Common Battery	Yes						
GENERAL							
Communication Interface	RS232, RS485, Dry contact, MODBUS, SNMP (optional)						
Display	7-inch touch screen+LED						
Working 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.