

KR33 Series IGBT Inverter (160-600kVA)

Main Features:

- Online double conversion
- IGBT rectifier, high input power factor
- Standard in-built output isolation transformer (300~600kVA)
- Wide input voltage range
- DC cold start function
- Advanced battery charging management
- Intelligent fan speed control
- ECO mode and EPO function
- Full protection function
- Intelligent RS232/RS485 & dry contact communication function
- Maintenance Bypass
- SNMP adapter (optional)
- Advanced no-master-slave parallel technology (optional)
- Intelligent battery monitor system-MMBM (optional)

Application:

- Computer room
- Data center
- Precision instrument
- Commercial facility
- Intelligent equipment



Specification:

MODEL	KR33160	KR33200	KR33300	KR33400	KR33500	KR33600
INPUT						
Voltage range (Vac)	380/400/415 (209~ 475 L-L)		380/400/415 (228~ 456 L-L)			
Rectifier frequency (Hz)	50/60±10%					
Bypass synchronization tracking range (Hz)	50/60±5%(±10% settable)					
Bypass voltage range (Vac)	-30%~+20%		±20%			
Power factor (PF)	≥0.99					
THDi	3%					
Phase	3φ+PE					
Battery voltage (Vdc)	480V (384~480 , 32~40pcs 12 voltage battery settable)		480V (384~504 , 32~42pcs 12 voltage battery settable)			
Charging current (A)	10~60A		20~100A			
OUTPUT						
Capacity (kVA)	160	200	300	400	500	600
Power factor (PF)	0.9					
Phase	3φ4W+PE					
Waveform	Pure sine wave					
Voltage (Vac)	380/400/415 ±1% (L-L)					
Frequency (Hz)	50/60± 0.2% (battery mode)					
Three phase difference	≤2 degrees					
Waveform distortion (100% Linear load)	THD≤2%		THD≤1%			
transfer time (ms)	0					
System efficiency	≥95%					
Parallel mode	Advanced no-master-slave parallel technology, N+1 redundancy					
Overload capacity	106%~130% for 10 mins, 131%~150% for 10 seconds, above 150% for 200ms					
OTHER						
Maintenance bypass	Yes					
DC cold start function	Yes					
Display	Touch screen+ LED					
Communication function	RS232/RS485 (dry contact, SNMP optional)		RS232/RS485,dry contact (SNMP, MODBUS optional)			
Approvals	CE (EN 62040-2, IEC 62040-1)		EN62040-2:2006			
Noise(dB)	<67dB		<72dB		<75dB	
Dimension(W×D×H) (mm)	1200×800×1800		1600×1000×1800		2200×1000×1800	
Weight (kg)	730	760	1400	1700	2300	2400

◆ Specification is subject to change without prior notice.