

On Line High Frequency Modular UPS KR33 10-60K(L)



Technical Features:

- True double-conversion
- DSP technology guarantees high performance
- Output power factor 1.0
- Active power factor correction in all phases
- 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving (ECO)
- Emergency power off function (EPO)
- Generator compatible
- SNMP+USB+RS-232 multiple communications
- 3-stage extendable charging design for optimized battery performance
- Adjustable battery numbers for long-run model
- Maintenance bypass available
- Optional parallel operation
- Optional isolation transformer offers full isolation and complete common mode noise rejection
- **Optional Supports 3P/3P&3P/1P & 1P/1P operation (For 10-20K Models)**



Technical Specifications:

MODEL	KR33/31-10KL	KR33/31-15KL	KR33/31-20KL	KR33-30KL	KR33-40KL	KR33-60KL	
PHASE	3-phase in/3-phase out						
CAPACITY	10KVA/10KW	15KVA/15KW	20KVA/20KW	30KVA/30KW	40KVA/40KW	60KVA/60KW	
PARALLEL CAPABILITY	3 max						
INPUT							
Nominal Voltage	3 x 400 VAC (3Ph+N)						
Voltage Range	190-520 VAC (3-phase) @ 50% load; 305-478 VAC (3-phase) @ 100% load						
Frequency Range	46-54 Hz or 56-64Hz						
Power Factor	≅ 0.99 @ 100% load						
OUTPUT							
Output Voltage	3 x 360*/380/400/415 VAC (3Ph+N)						
AC Voltage Regulation (Batt. Mode)	± 1%						
Frequency Range (Synchronized Range)	46-54Hz or 56-64Hz						
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz						
Current Crest Ratio	3:1 (max.)						
Harmonic Distortion	≅ 2 % THD (Linear Load) ; ≅ 5 % THD (Non-linear Load)						
Transfer Time	AC mode to Battery mode	zero					
	Inverter to Bypass	zero					
Waveform (Batt. Mode)	Pure Sine Wave						
Overload	AC Mode	100-110% for 60 min, 110-125% for 10 min, 125%-150% 1min, >150% immediately					
	Battery Mode	100-110% for 60 min, 110-125% for 10 min, 125%-150% 1min, >150% immediately					
EFFICIENCY							
AC Mode	95.5%						
ECO Mode	98.5%						
Battery Mode	94.5%						
BATTERY							
Long-run Model	Battery Type	Depending on customer					
	Numbers	20 pcs (10+10) 32-40 pcs (Adjustable)					
	Charging Current (max.)	1A/2A/3A/4A/5A/6A/7A/8A/9A/10A/11A/12A(Adjustable) 12A maximum			1A/2A/3A/4A/5A/6A/7A/8A/9A/10A/11A/12A/13A/14A/15A/16A/17A/18A (Adjustable) 18A maximum		
	Charging Voltage	+/-13.65V*N (N=10)			+/-13.65V*N (N = 16-20)		
INDICATORS							
LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions.						
PHYSICAL							
Long-run Model	Dimension, DXWXH(mm)	680X438X133(3U)			797X438X176(4U)		
	Net Weight (kgs)	26	28	28	35	40	45
Operation Temperature	0-40°C						
Operation Humidity	<95% and non-condensing						
Noise Level	Less than 65dB @ 1 Meter			Less than 70dB @ 1 Meter			
MANAGEMENT							
Smart RS-232/USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux and MAC						
Optional SNMP	Power management from SNMP manager and web browser						

*When output voltage is set as 3 x 360VAC, the output power of the unit will be de-rated to 90%.
Product specifications are subject to change without further notice

