

# On Line High Frequency Rack Mount UPS KRD 33 5-10K(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



## Technical Specifications:

MODEL	KRD33-5KL	KRD33-7.5KL	KRD33-10KL
<b>PHASE</b>	3-phase in/3-phase out		
<b>CAPACITY</b>	5KVA/5KW	7.5KVA/7.5KW	10KVA/10KW
<b>PARALLEL CAPABILITY</b>	3 max		
<b>INPUT</b>			
Nominal Voltage	3 x 208 VAC (3Ph+N)		
Voltage Range	121~270 VAC (3-phase) @ 50% load ; 152~253 VAC (3-phase) @ 100% load		
Frequency Range	46~54 Hz or 56~64Hz		
Power Factor	≅ 0.99 @ 100% load		
<b>OUTPUT</b>			
Output Voltage	3 x 208/220 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	
<b>EFFICIENCY</b>			
AC Mode	93.5%		
ECO Mode	98.5%		
Battery Mode	92.5%		
<b>BATTERY</b>			
Standard Model	Battery Type	Depending on customer	
	Numbers	16~20 pcs (Adjustable)	
	Charging Current [max.]	1A/2A/3A/4A/5A/6A/7A/8A/9A/10A/11A/12A(Adjustable) 12A maximum	
	Charging Voltage	+/-13.65V*N (N = 8~10)	
<b>INDICATORS</b>			
Touch color LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions		
<b>PHYSICAL</b>			
Long-run Model	Dimension, D X W X H (mm)	680X438X133(3U)	
	Net Weight (kgs)	34	35
<b>ENVIRONMENT</b>			
Operation Temperature	0-40°C		
Operation Humidity	<95% and non-condensing		
Noise Level	Less than 58dB @ 1 Meter	Less than 65dB @ 1 Meter	Less than 65dB @ 1 Meter
<b>MANAGEMENT</b>			
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

