

On Line High Frequency UPS KH33 10-80K(L)



Technical Features:

- True double-conversion
- Optional 4.3" touch LCD for 10-80KVA models
- DSP technology guarantees high performance
- Output power factor 1 for 10K-80K
- 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
- Parallel operation with common battery
- Adjustable charging current
- Optional parallel operation
- Optional isolation transformer offers full isolation and complete common mode noise rejection



Technical Specifications:

MODEL	KH33-10K(L)	KH33-15K(L)	KH33-20K(L)	KH33-30K(L)	KH33-40K(L)	KH33-60K(L)	KH33-80K(L)	
PHASE	3-phase in/3-phase out							
CAPACITY	10KVA / 10KW	15KVA / 15KW	20KVA / 20KW	30KVA / 30KW	40KVA / 40KW	60KVA / 60KW	80KVA / 80KW	
PARALLEL CAPABILITY	3							
INPUT								
Nominal Voltage	3 x 400 VAC (3Ph+N)							
Input Voltage Range	190-520 VAC @ 50% load , 305-478 VAC @ 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 to DC	zero						
	Inverter to Bypass	zero						
Waveform [Batt. Mode]	Pure Sine Wave							
Transfer Time	AC to DC	100-110% for 60 min, 110-125% for 10 min, >150% immediately						
	Inverter to Bypass							
EFFICIENCY								
AC Mode	95.5%							
ECO Mode	98.5%							
Battery Mode	94.5%							
BATTERY								
Standard Model	Battery Type	12V/9Ah						
	Numbers	(10+10)pcs	(16+16)pcs	(16+16)pcs	(16+16)pcs x2 strings	NA		
	Typical Recharge Time	9 hours recover to 90% capacity						
	Charging Current [max.]	1A-12A(Adjustable)						
Long-run Model*	Charging Voltage	+/-136.5VDC ± 10%	+/-218 VDC ± 10%					
	Battery Type	Depending on the capacity of external batteries						
	Numbers	20 pcs	32-40 pcs (Adjustable)					
	Charging Current [max.]	1A-12A(Adjustable)			2A-24A(Adjustable)			
Charging Voltage	+/-136.5VDC ± 10%	+/-13.65V*N (N = 16-20)						
INDICATORS								
LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions							
ALARM								
Dimension, D X W X H (mm)	626 x 250 x 750			815 x 300 x 1000		NA		
Net Weight (kgs)	124	139	225	250				
Dimension, D X W X H (mm)	626 x 250 x 750			815 x 300 x 1000		790 x 360 x 1010		
Net Weight (kgs)	28	43	60	61	108	113		

*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

