On Line High Frequency UPS KH31 Pro 10-20K(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		KH31 Pro-10K(L)	KH31 Pro-15K(L)	KH31 Pro-20K(L)	
PHASE			3Ph in 1Ph out with Netural		
CAPACITY		10KVA/10KW	15KVA/15KW	20KVA/20KW	
INPUT					
Nominal Voltage		3X400Vac (3Ph+N)			
Voltage Range		110-300 VAC @ 50% load , 176-276 VAC @ 100% load			
Frequency Range		46~54 Hz @50 Hz System or 56~64Hz @ 60 Hz System			
Power Factor		≧ 0.99 @ 100% load			
OUTPUT		200*/220/220/240 VAC /DF AI)			
Output Voltage		2087/220/230/240 VAC (Ph-N)			
Frequency Range (Synchronized Range)		46~54Hz @50 Hz Svstem nr 56~64Hz @60 Hz Svstem			
Frequency Range (Batt, Mode)		50 Hz + 0.1 Hz or 60 Hz + 0.1 Hz			
Current Crest Ratio		3:1 (max.)			
Harmonic Distortion		≦ 2 % @100% Linear Load; ≦ 5 % @100% Non-Ilnear Load			
Transfer AC mode to Battery mode		Zero			
Time	Inverter to Bypass	zero (when phase lock fails, <4ms interruption occurs from inverter to bypass)			
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			
PARALLEL	PARALLEL CAPACITY up to 3 units in parallel				
AC Mode		93.3% 08.5%			
Battery Mode		76.376			
BATTERY		24.370			
Standard Model	Battery Type	12V / 9Ah	12V / 9Ah	12V / 9Ah	
	Numbers	(10+10) PCS	(16+16) PCS	(16+16) PCS	
	Typical Recharge Time	9 hours recover to 90% capacity			
	Charging Current (max.)	2.0A ± 10% (Recommended) 1.0~12.0A (Adjustable)			
	Charging Voltage	+/-136.5 VDC ± 1% +/-218 VDC ± 1%			
Long-run Model*	Battery Type	Depending on the capacity of external batteries			
	Numbers	20PCS	20PCS 32~40 pcs (Adjustable)		
	Charging Current (max.)		1.0~12.0A ± 10% (Adjustable)		
	Float Charging Voltage	+/-13.65 VDC* N ± 1% (N = 10)	+/-13.65 VDC* N ± 1% (N = 16~20)		
INDICATO	RS	UDS status, Load lavel, Dettanulavel, Innut/Output validas, Discharge times and Foult conditions			
PROTECTION		UPS status, Luad level, Battel y level, input/output vortage, Discharge timer, and Paul conditions			
Full Protection		Overload Overtemperature Utility abnormal LIPS fault LIPS warning battery low etc.			
ALARM					
Battery Mode		Sounding every 4 seconds			
Low Battery		Sounding every second			
Overload		Sounding twice every second			
Fault		Continuously sounding			
PHYSICAL					
Standard	Dimension, D X W X H (mm)		630 x 250 x 826		
Model	Net Weight (kgs)	95	127	127	
Long-run	Dimension, D X W X H (mm)		630 x 250 x 826	40	
Model	INEL WEIGHT (KGS)	39	42	42	
Operation Temperature		0.40° C (the battery life will down when $\sim 25^{\circ}$ C)			
Operation Humidity		< 95% and non-condersing			
Altitude**		< 50 x attration to the content and < 100 mm**			
Noise Level		Less than 55dB @ 1 Meter	Less than 55	RdB @ 1 Meter	
MANAGEMENT		2000 man bodb c r motor			
Smart RS-232/USB		Supports Windows® 2000/2003/XP/Vista/2008_Windows®_7/8_Linux and MAC			
Optional SNMP		Power management from SMPP manager and web browser			

*Derate capacity to 90% when the output voltage is adjusted to 208 VAC. **If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be de-reated 1% per 100 m. Product specifications are subject to change without further notice





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