

On Line High Frequency UPS KH11 Pro 6-10K(L)



Technical Features:

- True double-conversion
- DSP technology guarantees high performance
- Output power factor 1
- Wide input voltage range (110-300 VAC)
- High efficiency up to 94%
- Active input power factor correction 0.99
- 50Hz/60Hz frequency converter mode
- Emergency power off function (EPO)
- ECO mode for energy saving
- Generator compatible
- SNMP/USB/RS-232 communications
- Adjustable battery numbers
- Optional Maintenance bypass available
- Optional N+X parallel redundancy
- Optional OVCD protection



Technical Specifications:

MODEL		KH 11 Pro-6K (L)	KH 11 Pro-10K (L)
PHASE		1 phase in / 1 phase out	
CAPACITY		6000VA / 6000W	10000VA / 10000W
INPUT			
Nominal Voltage		208/220/230/240 VAC	
Voltage Range		110~300VAC $\pm 3\%$ at 50% load, 176~300VAC $\pm 3\%$ at 100% load	
Frequency Range		46~54 Hz or 56~64 Hz	
Power Factor		≥ 0.99 @ full load	
THDi		<4% @100% Load, <6% @50% Load	
OUTPUT			
Output Voltage		208*/220/230/240 VAC	
AC Voltage Regulation (Batt. Mode)		$\pm 1\%$	
Frequency Range (Synchronized Range)		46~54 Hz or 56~64 Hz	
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz	
Current Crest Ratio		3:1 (max.)	
Harmonic Distortion		$\leq 1\%$ THD (Linear Load), $\leq 4\%$ THD (Non-linear Load)	
Transfer	AC Mode to Batt. Mode	Zero	
Time	Inverter to Bypass	zero	
Waveform (Batt. Mode)		Pure Sinewave	
Overload	AC to DC	100%~110%: 10min; 110%~130%: 1min; >130%: 1sec	
	Inverter to Bypass	100%~110%: 30sec; 110%~130%: 10sec; >130%: 1sec	
EFFICIENCY			
AC Mode		94%	
Battery Mode		91%	
BATTERY			
Standard Model	Battery Type	12 V / 7 AH	12 V / 9 AH
	Numbers	16	
	Typical Recharge Time	9 hours recover to 90% capacity	
	Charging Current (max.)	1.0 A	
	Charging Voltage	218.4 VDC $\pm 1\%$	
Long-run Model*	Battery Type	Depending on applications	
	Numbers	16-20**	
	Charging Current (max.)	4.0 A	
	Float Charging Voltage	(13.65VDC x battery number) $\pm 1\%$	
PHYSICAL			
Standard Model	Dimension, DxWxH (mm)	369 x 190 x 688	442 x 190 x 688
	Net Weight (kgs)	54	66
Long-run Model*	Dimension, DxWxH (mm)	369 x 190 x 318	442 x 190 x 318
	Net Weight (kgs)	13	16
ENVIRONMENT			
Operation Humidity		20-95 % RH @ 0- 40°C (non-condensing)	
Noise Level		Less than 55dBA @ 1 Meter	Less than 58dBA @ 1 Meter
ENVIRONMENT			
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	

* Derate capacity to 60% of capacity in CVCF mode and to 90% when the output voltage is adjusted to 208VAC or parallel system is operated.

* When using 16 pieces of batteries, the output power factor will be derated to 0.8. If using 18 or 19 pieces of batteries, the output power factor will be derated to 0.9.

* If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m.

* Product specifications are subject to change without further notice

