

HIGH FREQUENCY ONLINE UPS		
Model	HH 1103KS	HH 1103KL
Capacity	3000VA/3000W	3000VA/3000W
Battery voltage	96V DC	96V DC
Size D x W x H (mm)	390x190x320	400x145x222
Net weight (Kgs)	24	5.8
Input		
Rated Input Voltage	L + N + PE 208V/220V/230V/240V AC	
Low line Transfer	160VAC/140VAC/120VAC/110VAC $\pm 5\%$	
Low Line Come back	175VAC/155VAC/135VAC/125VAC $\pm 5\%$	
High line Transfer	300VAC $\pm 5\%$	
High Line comeback	280VAC $\pm 5\%$	
Frequency range		
Frequency range	50Hz/60Hz (default), $\pm 5\%$ can be adjust	
Phase	Single phase with ground	
Power Factor	$\geq 0.99$ @ Nominal voltage (Input voltage)	
Output		
Rated output Voltage	208V/220V/230V/240V AC	
AC Voltage Regulation	$\pm 1\%$ (Batt Mode)	
Frequency	50 Hz (Default) / 60 Hz $\pm 0.5\%$	
Overload	105%~110%: UPS shuts down after 10 min at battery mode or transfers to bypass when the utility is normal. 110%~130%: UPS shuts down after 1 min at battery mode or transfers to bypass when the utility is normal. >130%: UPS shuts down after 3 seconds at battery mode or transfer to bypass when the utility is normal.	
Current Crest Ratio	3:1	
Harmonic Distortion	$\leq 3\%$ THD (Linear Load); $\leq 5\%$ THD (Non-linear Load)	
Waveform (Batt. Mode)	Pure Sine Wave	
Transfer time		
AC Mode	0 ms	
Battery Mode	4 ms	
Efficiency		
AC Mode	95%	93%
Battery Mode	90%	88%
Battery		
Battery type	Sealed Lead Acid Battery / VRLA	
Battery Capacity	12V7AH	Depend on Load
Battery Qty.	08 Nos	08 Nos
Recharge Time	4-8 hours recover to 90% capacity	
Charging Current	1A	1A-10A (Auto)
Charging Voltage	$\geq 108.0VDC$	
Environment		
Operation Humidity	0-90 % RH @ 0- 40°C (non-condensing)	
Noise Level	Less than 50dBA @ 1 Meter	
Management		
Smart RS-232	Windows 2000/2003/XP/Vista/2008	
Optional SNMP	Power management from SNMP manager and web browser	