

KN Series

1000 - 3000VA On-Line UPS

CoolPower
Solutions

- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction ≥ 0.99
- Output power factor 0.8
- ECO mode for energy saving
- Generator compatible
- SNMP Function operate with USB or RS-232 synchronizingly
- Comprehensive LCD Display for access & setting



Specifications

Model	KN-1101TS	KN-1102TS	KN-1103TS
Nominal power	1000 VA	2000 VA	3000 VA
Nominal active power	800 W	1600 W	1800 W
Cos ϕ	0.8		
Technology	True double-conversion		
Nominal input voltage	Single phase 230 Vac		
Input voltage range	110 - 300 Vac		
Nominal input frequency	40 - 70Hz		
Power factor	≥ 0.99 @ Nominal Voltage (100% Last)		
Nominal output voltage	Single phase 200/208/220/230/240 VAC		
AC Voltage Regulation	$\pm 1\%$		
Frequency Range(Synch. Range)	47~ 53 Hz or 57 ~ 63 Hz		
Output frequency (Batt.)	50 Hz ± 0.25 Hz or 60 Hz ± 0.3 Hz		
Current Crest Ratio	3:1		
Harmonic Distortion	$\leq 2\%$ THD (Linear Load), $\leq 4\%$ THD (Non-linear Load)		
Output Inverter waveform (Batt.)	Pure Sinewave		
Transfer time	Zero		
Backup time	See table below		
Batteries: Sealed maintenance free Lead Acid	3 internal 12V 7,0Ah	6 internal 12V 7,0Ah	6 internal 12V 9,0Ah
Recharge time (typical)	4 -6 hours		
Audible noise	< 50 dBA at 1 m		
Weight	13 kg	26 kg	28 kg
Dimensions (WxHxD)	145 x 220 x 397 mm	119 x 318 x 419 mm	119 x 318 x 419 mm
Operating Temperature Range	0-40 °C (20-25 °C recommended for longer battery life time)		
Relative Humidity Range	20-90% (non-condensing)		
Interface (communication ports)	Smart RS-232 / USB (Optionally SNMP)		
Software	Supports Windows 2000/2003/XP/Vista/2008/7, Linux, Unix, and MAC		
Outlets	4 x IEC C13	8 x IEC C13	6 x IEC 13 + 1 x C19
Safety & EMC	IEC 62040-1 (safety) / IEC-62040-2 (EMC) / CE		

Model	Backup times with internal batteries only			
	25% Load	50% Load	75% Load	100% Load
KN-1101TS	29 min	15 min 30 s	8 min 20 s	5 min 50 s
KN-1102TS	35 min	18 min 10 s	12 min	6 min 40 s
KN-1103TS	25 min	13 min 10 s	8 min 30 s	5 min 20 s
Additional battery box available				