



UPS TOWER 1KVA - 3KVA

Features

- High power density
- Online double conversion with full digital control
- Wide input voltage range: 110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- Smart charger design for optimized battery performance
- Maximum charging current can be expanded to 12A (Long run unit)
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator compatible
- Cold start
- Intelligent fan speed regulation
- Load segment settable (Optional)
- Versatile LCD human-computer interface
- Multiple communication interface: RS232 (USB/EPO/Relay card /SNMP card optional)
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm



Optimized battery configuration
7Ah/9Ah (12V)



Colourful LCD



Socket



SNMP



Rear panel

MODEL		KUKS T01K WB	KUKS T02K WB	KUKS T03K WB
Capacity		1000 VA/900 W	2000 VA/1800 W	3000 VA/2700 W
INPUT				
Nominal voltage		208/220/230/240 Vac		
Input voltage range		110 ~ 300 Vac (176 ~ 264 Vac@ 100% load)		
Power factor		≥ 0.99		
FREQUENCY				
Frequency range		40 ~ 70 Vac (50/60HZ Auto- sensing)		
OUTPUT				
Voltage		208 / 220 / 230 / 240 Vac		
Voltage regulation		± 1%		
Power factor		0.9		
Output frequency	Line mode	46 ~ 54 Hz or 56 ~ 64 Hz		
	Bat. Mode	(50/60 ± 0.1%)Hz		
Total harmonic distortion (THDv)		≤ 3% (linear load); ≤ 5% (non - linear load)		
Crest factor		3:1		
Transfer time	AC mode to Bat.mode	0ms		
	Inverter to Bypass	4ms (Typical)		
Output waveform		Pure Sinewave		
EFFICIENCY				
AC mode		88%	90%	91%
Battery mode		85%	87%	88%
BATTERY				
Battery number		2	4	6
Capacity (Standard unit)		9Ah/12V (7Ah/12V optional)		
Typical recharging time		4 hours (To 90% of full capacity)		
Charging current (Max.)		1A		
INDICATORS				
LED display		Line mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault		
LCD display		Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature& Remaining battery backup time		
ALARM				
Battery mode		Beeping every 4 seconds		
Battery low		Beeping every second		
Overload		Beeping twice every second		
Fault		Continously beeping		
PHYSICAL				
Dimension W×D×H		144 x 293 x 209	144 x 399 x 209	191 x 460 x 337
Net weight (Kg)		9.3 Kg	24.5 Kg	29.5 Kg
ENVIRONMENT				
Operating temperature		0°C ~ 40°C		
Storage temperature		-25°C ~ 55°C		
Humidity range		20~95%RH @ 0~40°C (Non condensing)		
Altitude		<1500m, derating required when>1500m		
Noise level		<50dB at 1 Meter		
STANDARDS				
Safety		IEC/EN 62040-1, IEC/EN 62477-1		
EMC		IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2)		

- When output voltage is 208Vac, need to derate to 80% of the unit capacity
- Specifications are subject to change without prior notice
- Data above are typical values for reference only, not as a basis for engineering design