



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
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator compatible
- Cold start
- Intelligent fan speed regulation
- 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
9Ah (12V)



Colourful LCD



Socket



SNMP



Rear panel

MODEL		KUKS T01 WB FP1	KUKS T02 WB FP1	KUKS T03 WB FP1
Capacity		1000 VA/1000 W	2000 VA/2000 W	3000 VA/3000 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		1.0		
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		90%	91%	92%
ECO mode		95%	96%	97%
Battery mode		85%	87%	88%
BATTERY				
Battery number		2	4	6
Capacity (Standard unit)		9Ah/12V		
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	191 x 460 x 337	
Net weight (Kg)		9.3 Kg	19.5 Kg	24.5 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		<1000m, derating 1% for each additional 100m		
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, EC 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