UPS SERIES | ONLINE TOWER

The ONLINE TOWER UPS 1-3kVA is a new-generation, low-power UPS from KAISE. Both input and output are single-phase, with an output factor of 1.0. With 94% efficiency, it can achieve energy savings and reduce customer costs as a result.

Blue LCD

Optimized Battery Configuration
9Ah

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)
- ECO mode operation for energy saving
- Generator compatible
- Cold start
- Intelligent fan speed regulation
- Versatile LCD human-computer interface
- Multiple communication interface: RS232 / USB
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm

Rear Panel

Socket

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Technical Specifications

MODEL	KUTON1000-IB	KUTON2000-IB	KUTON3000-IB
Capacity (VA/W)	1000/ 1000	2000/2000	3000/3000
INPUT			
Nominal Voltage (Vac)	208/220/230/240		
Operating Voltage Range (Vac)	110~300 (176~264 @ 100% load)		
Power Factor	≥1.0		
Bypass Frequency Range (Hz)	40~70 (50/60 Auto-Sensing)		
OUTPUT			
Nominal Voltage (Vac)	208/220/230/240		
Voltage Regulation	±1%		
Power Factor	0.9		
Output Frequency (Hz)	Line mode: 46~54 or 56~64; Bat. mode: (50/60±0.1%)		
Crest Factor	3:1		
Harmonic Distortion (THDv)	≤3% Linear load; ≤5% Non linear load		
Transfer Time (ms)	AC mode to Bat.mode: 0; Inverter to Bypass: 4 (Typical)		
Waveform	Pure Sinewave		
Number of Schuko	2		3
EFFICIENCY			
AC Mode	Up to 90%	Up to 91%	Up to 92%
ECO Mode	Up to 95%	Up to 96%	Up to 97%
BATTERY			
Battery Type	VRLA (Lead acid maintenance free battery)		
Battery Voltage (Vdc)	24	48	72
Battery Capacity (Ah)	S: 7/9; H: Depends on the capacity of external batteries		
Charging Current (Max.) (A)	1	1	1
MANAGEMENT			
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		
ENVIRONMENTAL			
Operating Temperature (℃)	0~40		
Storage Temperature (℃)	-25~55		
Humidity Range	20~95%RH @ 0~40℃ (Non condensing)		
Altitude (m)	<1000, derating required between 1000 to 3000		
Noise Level (dB)	<55		
PHYSICAL			
Dimension WxDxH (mm)	144x293x209	191x460x337	191x460x337
Weight (kg)	9.3	19.5	24.5
STANDARDS			
Safety	IEC/EN 62040-1, IEC/EN 62477-1		
EMC	IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8		

1. Specifications are subject to change without prior notice
2. Data above are typical values for reference only, not as a basis for engineering design

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