

UPS SERIES | ONLINE RACK TOWER



The ONLINE RACK 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.



Colourful LCD



Multifunctional Bracket



Optimized Battery Configuration 9Ah



The LCD Panel Can be Rotated

Features

- ❖ Rack/Tower convertible design
- ❖ 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
- ❖ Hot-Swappable battery design
- ❖ Cold start
- ❖ Intelligent fan speed regulation
- ❖ Versatile LCD human-computer interface
- ❖ Multiple communication interface: RS232 (SNMP card optional)
- ❖ Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm

Technical Specifications

MODEL	KURTON RT 1k S		KURTON RT 2k S		KURTON RT 3k S
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	≥0.99				
Bypass Frequency Range (Hz)	40~70 (50/60 Auto-Sensing)				
OUTPUT					
Nominal Voltage (Vac)	208/220/230/240				
Voltage Regulation	±1%				
Power Factor	1.0				
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				
EFFICIENCY					
AC Mode	Up to 89%		Up to 90%		Up to 91%
ECO Mode	Up to 95%		Up to 96%		Up to 97%
BATTERY					
Battery Type	VRLA (Lead acid maintenance free battery)				
Battery Voltage (Vdc)	24	36	48	72	72
Battery Capacity (Ah)	S: 7/9; H: Depends on the capacity of external batteries				
Charging Current (Max.) (A)	1		1		1
Typical backup times at 50 and 70% load*)	10min		12min		10min
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 (°C)	0~40				
Storage Temperature (°C)	-25~55				
Humidity Range	20~95%RH @ 0~40°C (Non condensing)				
Altitude (m)	< 1500 m				
Noise Level (dB)	<55 - 1m				
PHYSICAL					
Dimension WxDxH (mm)	440×460×86.5		440×600×86.5		440×600×86.5
Weight (kg)	14		25		26
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				

* Backup times are approximate and may vary with equipment, configuration, battery age, temperature, etc.

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

