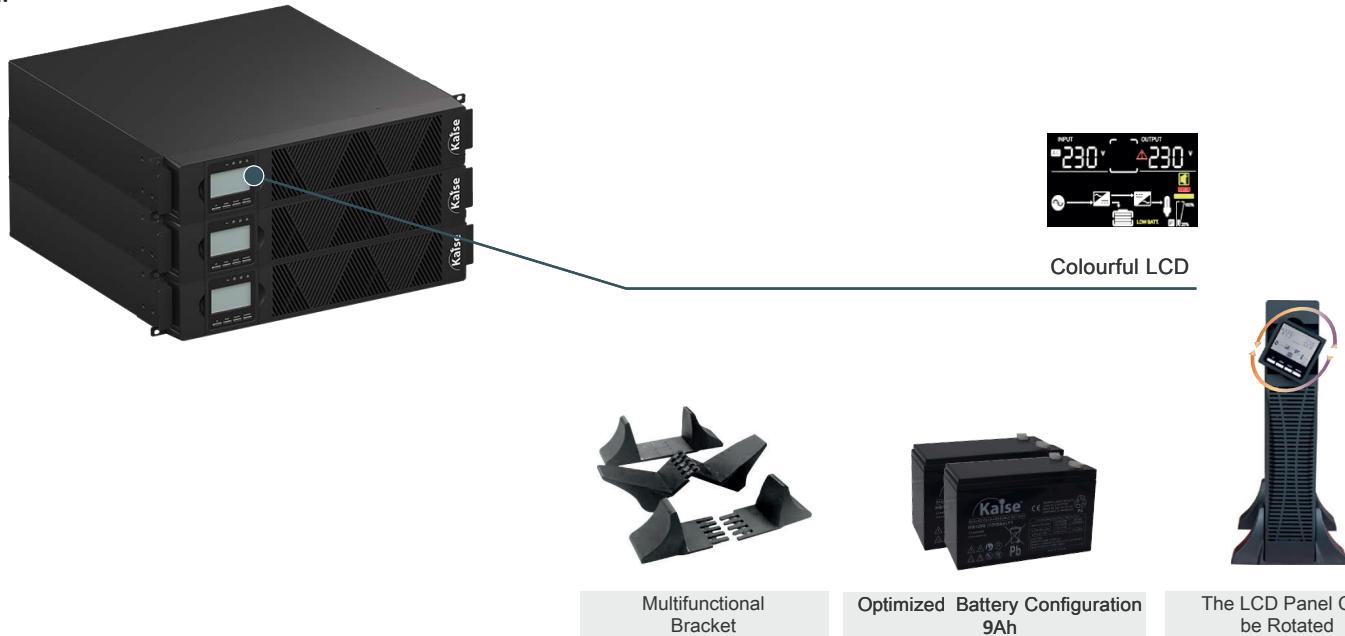


The ONLINE RACK TOWER UPS 1-3kVA is a new-generation, low-power UPS from KAISE. Both input and output are single-phase, with an output factor of 1.0. With 94% efficiency, it can achieve energy savings and reduce customer costs as a result.



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

