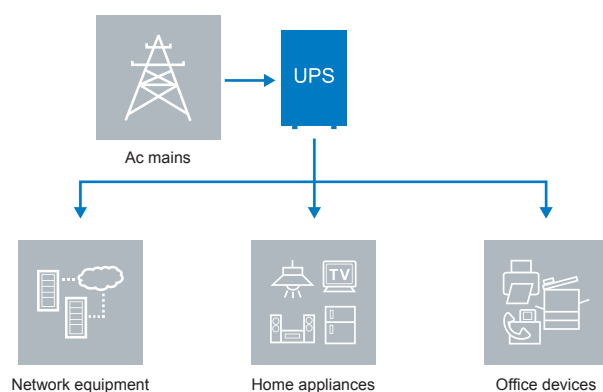# Black RT series Online UPS

1/1.5K/2K/3K

KEY FEATURE

- True double-conversion design with high adaptability to harsh mains conditions
- Ideal to for high-end equipment which are sensitive to power quality
- Supports energy-saving ECO mode
- Wide input range (120-276V_{AC})
- Intelligent communication slot enables remote monitoring
- Precise output voltage regulation
- Rack/tower dual set-up with rotatable LCD panel
- Intelligent Charging Management* for batteries prolongs battery life

sinewave output | built-in batteries | Intelligent Charging | Up to 5 min backup time | 95% Efficiency (ECO Mode)

Typical Application

Ac mains

UPS

Network equipment

Home appliances

Office devices

Specification

Model		Black RT 1K	Black RT 1KS	Black RT 1.5K	Black RT 1.5KS	Black RT 2K	Black RT 2KS	Black RT 3K	Black RT 3KS
Capacity		1000VA/900W		1500VA/1350W		2000VA/1800W		3000VA/2700W	
Input	Input Voltage Range	120~276V$_{AC}$							
	Frequency Range	45~55Hz/54~66Hz							
	Input Wiring	Single Phase with ground							
	Current Distortion (THDi)	<5% @ full load							
Output	Output Power Factor	0.9							
	Nominal Output Voltage	208/220/230/240V$_{AC}$							
	Voltage Regulation	± 1%							
	Frequency Range (Battery Mode)	50/60 ± 0.2 Hz							
	Current Crest Ratio	3:1							
	Voltage Distortion (THDv)	<2% @ Linear Load, <5% @ Non-Linear Load							
	Output Waveform	Pure Sine Wave							
	Parallel Operation	N/A							
Efficiency	Inverter Mode	88%		89%				92%	
	Battery Mode	83%		84%				88%	
	ECO Mode	95%							
Battery	Battery Type	12V/7Ah	N/A	12V/7Ah	N/A	12V/9Ah	N/A	12V/9Ah	N/A
	Number of Internal Battery	3	N/A	4	N/A	4	N/A	6	N/A
	Rated Battery Voltage	36V$_{DC}$		48V$_{DC}$		48V$_{DC}$		72V$_{DC}$	
	Backup Time (@ Full Load)	> 5min	N/A	> 5min	N/A	> 5min	N/A	> 5min	N/A
	Recharge Time (to 90%)	3 hour	N/A	3 hour	N/A	3 hour	N/A	3 hour	N/A
	Charging Current (max)	1.5A	6A	1.5A	6A	1.5A	6A	1.5A	6A
Transfer Time	Battery Mode ↔ Inverter Mode	0 ms							
	Inverter Mode ↔ Bypass Mode	4 ms							
	ECO Mode ↔ Battery Mode	<10 ms							
Display		LCD							
Audible Alarm		Yes							
Dimension	WxHxD	438 x 86.5 x 435 mm						438 x 86.5 x 604 mm	
Net Weight		16.2 kg	8.4 kg	19.7 kg	9.3 kg	19.7 kg	9.3kg	27.8 kg	13 kg
Environment	Operating Temperature	0-40° C							
	Noise Level	<45dB @ 1 Meter		<50dB @ 1 Meter					
Interface	RS232/USB	Yes							
	External Slot	Yes							
	Emergency Power Off	Yes							