

RS-RT Plus Series

DSP-Controlled On-Line UPS

RS-RT Plus 1000VA~3000VA



- True On-line Double Conversion Topology
- Advanced DSP Control Technology
- Rack / Tower Convertible
- 0.9 Output Power Factor
- Wide Input Voltage Range
- Active Harmonic Current Control
- LCD/LED Display
- Patent Backup Runtime Estimation
- Multiple Operation Mode
- Remote Emergency Power Off (REPO)
- Remote On Off control (ROO)
- Optional Programmable Outlets
- Easy Firmware Flash Upgrade



■ 120V ARES PLUS RT 1000.1500VA



■ 120V ARES PLUS RT 2200VA



■ 120V ARES PLUS RT 3000VA



■ 230V RS-RT Plus 1000VA



■ 230V RS-RT Plus 2000VA



■ 230V RS-RT Plus 3000VA

Specifications

Model	RS-RT Plus 1000	RS-RT Plus 2000	RS-RT Plus 3000	RS-RT Plus 1000	RS-RT Plus 1500	RS-RT Plus 2000	RS-RT Plus 3000			
Input	Phase			Single + G						
	Voltage Range**			110~300Vac						
	Frequency Range			45-70Hz (Auto sensing)						
	Input Power Factor			>0.99 @ 100% linear load						
Output	Capacity**	1000VA/900W	2000VA/1800W	3000VA/2700W	1000VA/900W	1500VA/1350W	2200VA/1980W	3000VA/2700W		
	Output Voltage			208/220/230/240 Vac						
	Output Power Factor			0.9						
	Output Voltage Distortion			<3% @ 100% Linear load <7% @ 100% non-linear load						
	Output Voltage Regulation			±2%						
	Frequency Range			±1Hz or ±3Hz (Selectable)						
	Crest Factor			3:1						
	Output Waveform			Pure Sine Wave						
Efficiency	Line Mode			Up to 92%						
	High Efficiency Mode			Upt to 97%						
Battery	Battery Type			Sealed Lead Acid Maintenance Free 12Vdc						
	Battery Number	3	6	6	2	3	4	6		
	Battery Voltage	36	72	72	24	36	48	72		
	Recharge Time (to 90%)	4 hours								
Display	LCD measures			Voltage / Frequency / Load level / Battery level / Output current / Estimated autonomy						
	Self-Diagnostics			Upon Power-on, Front Panel Setting & Software Control, 24 hours routine check						
Alarm	Audible or Visual			Line Failure / Battery Low / Transfer to Bypass / System Fault						
Protection	Full Protection			Overload, Over temperature, Short circuit, Discharge, overcharge						
	Multi-Mode			Normal/ ECO/ CVCF						
Function	DC start			Yes						
	Programmable Outlet			Option		Yes				
	Dimensions			440 x 88 x 405	440 x 88 x 600	440 x 88 x 600	88 x 440 x 390	88 x 440 x 405	88 x 440 x 475	88 x 440 x 600
Physical	(WxHxD, mm/inch)			17.3x3.5x16.0	17.3x3.5x23.7	17.3x3.5x23.7	17.3x3.5x15.4	17.3x3.5x16.0	17.3x3.5x17.8	17.3x3.5x23.7
	Net Weight (kgs/lbs)			14.5/31.9	21.5/47.4	26.5/58.4	11/24.2	14.5/32	21/46	27/59.5
	Operation Temperature			0~40°C / 32~104°F						
Environmental	Operation Humidity			20%~95%RH (Without condensing)						
	Altitude			1000m/3280ft without Derating						
	Noise Level			≤50dBA @ 1 meter front						
	Standard			RS-232, EPO		RS-232, USB, EPO				
Interface	Option			USB, RS-485 (Modbus), Dry Contact Relay, SNMP/WEB Card		RS-485 (Modbus), Dry Contact Relay, SNMP/WEB Card				
	Compatible Platforms			Microsoft Windows series, Linux, Mac, etc.		Microsoft Windows series, Linux, Mac, etc.				
Standards and Certifications***	Safety			EN62040-1, UL1778		UL1778				
	EMC			EN62040-2, EN61000-3-2, EN61000-3-3, FCC class A		FCC Class A				
	Marks			CE, cTUVus		UL, cUL, FCC				
	Safety			EN62040-1, UL1778		UL1778				

Battery Bank Specifications

Contents	BC060369	BC120729	BC120729	BC080249	BC060369	BC080489	BC120729
Rated Battery Voltage	36	72	72	24	36	48	72
Number of batteries	6	12	12	8	6	8	12
Battery type****	12Vdc / 7Ah						
Dimensions (WxHxD)	mm	440 x 88 x 430	440 x 88 x 581	440 x 88 x 581	440 x 88 x 430	440 x 88 x 430	440 x 88 x 581
	inch	17.3 x 3.5 x 16.9	17.3 x 3.5 x 22.9	17.3 x 3.5 x 22.9	17.3 x 3.5 x 16.9	17.3 x 3.5 x 16.9	17.3 x 3.5 x 16.9
Weight	kgs	20	34.2	37.8	27.2	21.8	37.8
	lbs	44.1	75.4	83.3	60	48.1	83.3

* Specifications subject to change without notice.

** Based on load percentage.

*** The same technical specification products could be sold as different model names in different countries, please consult Alerex for more information.

**** Battery capacity can be changed

