

ARES Plus RT Series DSP-Controlled On-Line UPS

HELIOS
POWER SOLUTIONS
www.heliosps.com.au

ARES PLUS RT 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 2000VA



■ 120V ARES PLUS RT 3000VA



■ 230V ARES PLUS RT 1000VA



■ 230V ARES PLUS RT 2000VA



■ 230V ARES PLUS RT 3000VA

Specifications

Model	ARES PLUS RT 1000			ARES PLUS RT 2000			ARES PLUS RT 3000			
Input	Phase	Single + G						Single + G		
	Voltage Range**	110~300Vac						55~150 Vac		
	Frequency Range	45-65Hz (Auto sensing)						44-66Hz (Auto sensing)		
	Input Power Factor	≥0.99 @ 100% linear load						≥0.99 @ 100% linear load		
Output	Capacity**	1000VA/900W	2000VA/1800W	3000VA/2700W	1000VA/900W	1500VA/1350W	2000VA/1800W	3000VA/2700W		
	Output Voltage	220/230/240 Vac						100/110/115/120 Vac		
	Output Power Factor	0.9						0.9		
	Output Voltage Distortion	<3% @ 100% Linear load <7% @ 100% non-linear load						<3% @ 100% Linear load <7% @ 100% non-linear load		
	Output Voltage Regulation	±1%						±1%		
	Frequency Range	±1Hz or ±3Hz (Selectable)						±1Hz or ±3Hz (Selectable)		
	Crest Factor	3:1						3:1		
	Output Waveform	Pure Sine Wave						Pure Sine Wave		
Efficiency	Line Mode	Up to 92%						Up to 92%		
	High Efficiency Mode	Upt to 97%						Upt to 97%		
Battery	Capacity	12Vdc/7Ah		12Vdc/9Ah		12Vdc/9Ah				
	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								
Function	Multi-Mode	Normal/ ECO/ CVCF								
	DC start	Yes								
Physical	Programmable Outlet	Option			Yes					
	Dimensions	440 x 88 x 405	440 x 88 x 600	440 x 88 x 600	440 x 88 x 405	440 x 88 x 405	440 x 88 x 485	440 x 88 x 600		
	(WxHxD, mm/inch)	17.3x3.5x16.0	17.3x3.5x23.6	17.3x3.5x23.6	17.3x3.5x16.0	17.3x3.5x16.0	17.3x3.5x19.1	17.3x3.5x23.6		
	Net Weight (kgs/lbs)	11.7/25.8	21.8/48.1	24.6/54.2	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								
Interface	Standard	RS-232, EPO			RS-232, USB, EPO					
	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					
	EMC	EN62040-2 (C2)			FCC Class A					
	Marks	CE			cTUVus, FCC					

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 22.9
Weight	kgs	20	34.2	37.8	27.2	27.2	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 Ablerex for more information.

**** Battery capacity can be changed

