## NXTPOWER

CLINICAL DIAGNOSTICS & LABORATORY APPLICATIONS ARES PLUS (120VAC) ONLINE UPS SERIES

NXT Power's ARES PLUS series represents a pinnacle in UPS technology, specifically engineered for environments demanding unwavering power reliability. The ARES Plus Series is a online double conversion topology UPS system which is a ideal for applications like clinical diagnostics, analytical instrumentation, and laboratories, where even momentary power disruptions can compromise critical operations.

### POWER QUALITY TO PUT YOUR TRUST IN

NXT Power's ARES PLUS series is a premium online double-conversion UPS specifically designed to safeguard critical diagnostic and research equipment. By delivering true sine wave output and providing seamless power protection, the ARES PLUS ensures uninterrupted operations, accurate diagnostics, and data integrity.

NXT POWER

#### SUITABLE FOR USE WITH:

- > Clinical Diagnostics
- > Analytical Instrumentation
- > Laboratory Applications

# SUPERIOR POWER PROTECTION BENEFITS & FEATURES

- True Online Double Conversion Topology
- Available in both Benchtop and Rack/Tower Design
- Advanced DSP Control Technology
- Wide Input Voltage Range

- Active Harmonic Current Control
- Multiple Operation Mode
- Includes NXT Power 3-Year Warranty
- UL 1778 Listed



WWW.NXTPOWER.COM

ARES PLUS ONLINE UPS SERIES

# PRODUCT SPECIFICATIONS

	Tower	ARES PLUS 1500	ARES PLUS 2000	ARES PLUS 3000
MODEL	RT	ARES PLUS RT 1500	ARES PLUS RT 2000	ARES PLUS RT 3000
INPUT				
Phase		Single phase with ground		
	ange(VAC)**	55 / 75 / 90 <sup>~</sup> 150VAC		
	y Range(Hz)	44 ~ 66Hz (auto sensing)		
Input Power Factor		0.99 @ nominal voltage 100% linear load		
OUTPUT		1500 / 1350	2000 / 1800	3000 / 2700
Capacity(VA/W) Voltage(VAC)***			able to 100 / 110 / 115 / 120VAC	3000 / 2700
Output Power Factor***		0.9		
Output Voltage Distortion		< 3% @ 100% linear load		
		< 6% @ 100% non-linear load		
Output Voltage Regulation		±1%		
Frequenc	y Range(Hz)	50 / 60Hz ± 1Hz or ± 3Hz (selectable)		
Crest Fa	actor Ratio		3:1	
	Waveform		Pure sine wave	
EFFICIENCY				
	Mode	Up to 92%		
High Effic	ciency Mode		Up to 97%	
	ry Type		d lead acid maintenance free	
	and Number	12V / 9Ah x 3	12V / 9Ah x 4	12V / 9Ah x 6
	ge(Vdc)	36	48	72
	harger Time	4 hours recover to 90% capacity		
NDICATOR				
L	.ED	Normal / Battery / Bypass mode, Battery Bad/	Weak, Fault, Overload, Site wiring fau	it, Outlet1, Outlet2, Load
	ures (Option)	Volatge, Frequency, Load level, Battery level, Output current and Estimated autonomy		
Solf-Di	agnostics	Upon power-on, Front panel sett	ing and Cofficience control 2/Hours to	بامم مام ماد
	agnosaes	open perce en, rent paner set	ing and Soltware control, 24Hours for	
ALARM				
ALARM Audible	e or Visual		w, Transfer to bypass and System faul	
ALARM Audible PROTECTION	e or Visual	Line failure, Battery lo	w, Transfer to bypass and System faul	t
ALARM Audible PROTECTION Full Pr		Line failure, Battery lo		t
ALARM Audible PROTECTION Full Pr FUCTION	e or Visual	Line failure, Battery lo Overload, Over temp	w, Transfer to bypass and System faul	t
ALARM Audible PROTECTION Full Pr FUCTION Mult	e or Visual rotection	Line failure, Battery lo Overload, Over temp	w, Transfer to bypass and System faul erature, Short circuit, ABDM and EPO	t
ALARM Audible PROTECTION Full Pr FUCTION Mult DC Programmable	e or Visual rotection i-Mode	Line failure, Battery lo Overload, Over temp No	w, Transfer to bypass and System faul erature, Short circuit, ABDM and EPO rmal / ECO / CVCF	t
ALARM Audible PROTECTION FUITION FUCTION Mult DC Programmable PHYSICAL	e or Visual rotection i-Mode : Start e Outlet (Option)	Line failure, Battery lo Overload, Over temp No Ye	w, Transfer to bypass and System faul erature, Short circuit, ABDM and EPO rmal / ECO / CVCF Yes s, support 2 outlets	t 
ALARM Audible PROTECTION FUIL Pr FUCTION Mult DC Programmable PHYSICAL Dimensions (W	e or Visual rotection i-Mode : Start e Outlet (Option) xHxD in mm/inch)	Line failure, Battery lo Overload, Over temp No Ye: 154 x 259 x 404	w, Transfer to bypass and System faul erature, Short circuit, ABDM and EPO rmal / ECO / CVCF Yes s, support 2 outlets 171 x 288 x 441	t 192 x 320 x 553
ALARM Audible PROTECTION FUITION Mult DC Programmable PHYSICAL Dimensions (W (To	e or Visual rotection i-Mode : Start e Outlet (Option) xHxD in mm/inch) ower)	Line failure, Battery lo Overload, Over temp No Ye 154 x 259 x 404 (6.1 x 10.2 x 15.9)	w, Transfer to bypass and System faul erature, Short circuit, ABDM and EPO rmal / ECO / CVCF Yes s, support 2 outlets 171 x 288 x 441 (6.7 x 11.3 x 17.4)	t 192 x 320 x 553 (7.6 x 12.6 x 21.8)
ALARM Audible PROTECTION FULTION Mult DC Programmable PHYSICAL Dimensions (W (To Net Weig	e or Visual rotection i-Mode : Start e Outlet (Option) xHxD in mm/inch) ower) ght (kgs/lbs)	Line failure, Battery lo Overload, Over temp No Ye: 154 x 259 x 404 (6.1 x 10.2 x 15.9) 15.0 / 33.1	w, Transfer to bypass and System faul erature, Short circuit, ABDM and EPO yrmal / ECO / CVCF Yes s, support 2 outlets 171 x 288 x 441 (6.7 x 11.3 x 17.4) 21.5 / 47.4	t 192 x 320 x 553 (7.6 x 12.6 x 21.8) 30.5 / 67.2
ALARM Audible PROTECTION FULTION FUCTION Mult DC Programmable PHYSICAL Dimensions (W (To Net Weig Dimensions (W	e or Visual rotection i-Mode : Start e Outlet (Option) xHxD in mm/inch) ower) ght (kgs/lbs) xHxD in mm/inch)	Line failure, Battery lo Overload, Over temp No 154 x 259 x 404 (6.1 x 10.2 x 15.9) 15.0 / 33.1 440 x 88 x 405	w, Transfer to bypass and System faul erature, Short circuit, ABDM and EPO ormal / ECO / CVCF Yes s, support 2 outlets 171 x 288 x 441 (6.7 x 11.3 x 17.4) 21.5 / 47.4 440 x 88 x 485	t 192 x 320 x 553 (7.6 x 12.6 x 21.8) 30.5 / 67.2 440 x 88 x 600
ALARM Audible PROTECTION FUITION FUCTION Mult DC Programmable PHYSICAL Dimensions (W (To Net Weig Dimensions (W ()	e or Visual rotection i-Mode : Start e Outlet (Option) xHxD in mm/inch) ower) ght (kgs/lbs) xHxD in mm/inch) RT)	Line failure, Battery lo Overload, Over temp No Ye: 154 x 259 x 404 (6.1 x 10.2 x 15.9) 15.0 / 33.1	w, Transfer to bypass and System faul erature, Short circuit, ABDM and EPO ormal / ECO / CVCF Yes s, support 2 outlets 171 x 288 x 441 (6.7 x 11.3 x 17.4) 21.5 / 47.4 440 x 88 x 485 (17.3 x 3.5 x 19.1)	t 192 x 320 x 553 (7.6 x 12.6 x 21.8) 30.5 / 67.2 440 x 88 x 600 (17.3 x 3.5 x 23.6)
ALARM Audible PROTECTION Full Pr FUCTION Mult DC Programmable PHYSICAL Dimensions (W (To Net Weig Dimensions (W (Net Weig	e or Visual rotection i-Mode : Start e Outlet (Option) xHxD in mm/inch) ower) ght (kgs/lbs) xHxD in mm/inch)	Line failure, Battery lo Overload, Over temp No 154 x 259 x 404 (6.1 x 10.2 x 15.9) 15.0 / 33.1 440 x 88 x 405 (17.3 x 3.5 x 15.9)	w, Transfer to bypass and System faul erature, Short circuit, ABDM and EPO ormal / ECO / CVCF Yes s, support 2 outlets 171 x 288 x 441 (6.7 x 11.3 x 17.4) 21.5 / 47.4 440 x 88 x 485	t 192 x 320 x 553 (7.6 x 12.6 x 21.8) 30.5 / 67.2 440 x 88 x 600
ALARM AUdible PROTECTION Full Pr FUCTION Mult DC Programmable PHYSICAL Dimensions (W (Tr Net Weig Dimensions (W (Net Weig ENVIRONMENT	e or Visual rotection i-Mode : Start e Outlet (Option) xHxD in mm/inch) ower) ght (kgs/lbs) xHxD in mm/inch) RT)	Line failure, Battery lo Overload, Over temp No 154 x 259 x 404 (6.1 x 10.2 x 15.9) 15.0 / 33.1 440 x 88 x 405 (17.3 x 3.5 x 15.9) 14.5 / 32.0	w, Transfer to bypass and System faul erature, Short circuit, ABDM and EPO ormal / ECO / CVCF Yes s, support 2 outlets 171 x 288 x 441 (6.7 x 11.3 x 17.4) 21.5 / 47.4 440 x 88 x 485 (17.3 x 3.5 x 19.1)	t 192 x 320 x 553 (7.6 x 12.6 x 21.8) 30.5 / 67.2 440 x 88 x 600 (17.3 x 3.5 x 23.6)
ALARM Audible PROTECTION Full Pr FUCTION Mult DC Programmable PHYSICAL Dimensions (W (To Net Weig Dimensions (W (Net Weig ENVIRONMENT Operation	e or Visual rotection i-Mode : Start e Outlet (Option) xHxD in mm/inch) ower) htt (kgs/lbs) xHxD in mm/inch) RT) pht (kgs/lbs)	Line failure, Battery lo Overload, Over temp No 154 x 259 x 404 (6.1 x 10.2 x 15.9) 15.0 / 33.1 440 x 88 x 405 (17.3 x 3.5 x 15.9) 14.5 / 32.0	w, Transfer to bypass and System faul erature, Short circuit, ABDM and EPO ormal / ECO / CVCF Yes s, support 2 outlets 171 x 288 x 441 (6.7 x 11.3 x 17.4) 21.5 / 47.4 440 x 88 x 485 (17.3 x 3.5 x 19.1) 20.0 / 44.1	t 192 x 320 x 553 (7.6 x 12.6 x 21.8) 30.5 / 67.2 440 x 88 x 600 (17.3 x 3.5 x 23.6)
ALARM Audible PROTECTION Full Pr FUCTION Mult DC Programmable PHYSICAL Dimensions (W (Ta Net Weig Dimensions (W ( Net Weig ENVIRONMENT Operation Storage T	e or Visual rotection i-Mode : Start e Outlet (Option) xHxD in mm/inch) ower) ght (kgs/lbs) xHxD in mm/inch) RT) ght (kgs/lbs) Temperature	Line failure, Battery lo Overload, Over temp No Yes 154 x 259 x 404 (6.1 x 10.2 x 15.9) 15.0 / 33.1 440 x 88 x 405 (17.3 x 3.5 x 15.9) 14.5 / 32.0	w, Transfer to bypass and System faul erature, Short circuit, ABDM and EPO ormal / ECO / CVCF Yes s, support 2 outlets 171 x 288 x 441 (6.7 x 11.3 x 17.4) 21.5 / 47.4 440 x 88 x 485 (17.3 x 3.5 x 19.1) 20.0 / 44.1	t 192 x 320 x 553 (7.6 x 12.6 x 21.8) 30.5 / 67.2 440 x 88 x 600 (17.3 x 3.5 x 23.6)
ALARM Audible PROTECTION Full Pr FUCTION Mult DC Programmable PHYSICAL Dimensions (W (To Net Weig Dimensions (W (C) Net Weig ENVIRONMENT Operation Storage T Operation	e or Visual rotection i-Mode : Start e Outlet (Option) xHxD in mm/inch) ower) yht (kgs/lbs) xHxD in mm/inch) RT) yht (kgs/lbs) Temperature remperature in Humidity itude	Line failure, Battery lo Overload, Over temp No Ye 154 x 259 x 404 (6.1 x 10.2 x 15.9) 15.0 / 33.1 440 x 88 x 405 (17.3 x 3.5 x 15.9) 14.5 / 32.0 0 0 0 ~ 90 1000m /	w, Transfer to bypass and System faul erature, Short circuit, ABDM and EPO rmal / ECO / CVCF Yes s, support 2 outlets 171 x 288 x 441 (6.7 x 11.3 x 17.4) 21.5 / 47.4 440 x 88 x 485 (17.3 x 3.5 x 19.1) 20.0 / 44.1 ° 40°C / 32 ° 104 ° 50°C / 14 ° 122 %RH, non-condensing 3280ft without derating	t 192 x 320 x 553 (7.6 x 12.6 x 21.8) 30.5 / 67.2 440 x 88 x 600 (17.3 x 3.5 x 23.6)
ALARM Audible PROTECTION FULTION FUCTION Mult DC Programmable PHYSICAL Dimensions (W (To Net Weig Dimensions (W (to Net Weig ENVIRONMENT Operation Storage T Operation Alt Nois	e or Visual rotection i-Mode : Start e Outlet (Option) xHxD in mm/inch) ower) yht (kgs/lbs) xHxD in mm/inch) RT) ght (kgs/lbs) Temperature iemperature iemperature iemperature iemperature iemperature	Line failure, Battery lo Overload, Over temp No Ye 154 x 259 x 404 (6.1 x 10.2 x 15.9) 15.0 / 33.1 440 x 88 x 405 (17.3 x 3.5 x 15.9) 14.5 / 32.0 0 0 0 ~ 90 1000m /	w, Transfer to bypass and System faul erature, Short circuit, ABDM and EPO rmal / ECO / CVCF Yes s, support 2 outlets 171 x 288 x 441 (6.7 x 11.3 x 17.4) 21.5 / 47.4 440 x 88 x 485 (17.3 x 3.5 x 19.1) 20.0 / 44.1 ~ 40°C / 32 ~ 104 ~ 50°C / 14 ~ 122 %RH, non-condensing	t 192 x 320 x 553 (7.6 x 12.6 x 21.8) 30.5 / 67.2 440 x 88 x 600 (17.3 x 3.5 x 23.6)
ALARM Audible PROTECTION FULTION FUCTION Mult DC Programmable PHYSICAL Dimensions (W (To Net Weig Dimensions (W (Net Weig ENVIRONMENT Operation Storage T Operation Alt Nois COMMUNICATION	e or Visual rotection i-Mode : Start e Outlet (Option) xHxD in mm/inch) ower) ght (kgs/lbs) xHxD in mm/inch) RT) ght (kgs/lbs) Temperature 'emperature imperature in Humidity titude e Level	Line failure, Battery lo Overload, Over temp No Yes 154 x 259 x 404 (6.1 x 10.2 x 15.9) 15.0 / 33.1 440 x 88 x 405 (17.3 x 3.5 x 15.9) 14.5 / 32.0 0 0 0 ~ 90 1000m / 50	w, Transfer to bypass and System faul erature, Short circuit, ABDM and EPO yrmal / ECO / CVCF Yes s, support 2 outlets 171 x 288 x 441 (6.7 x 11.3 x 17.4) 21.5 / 47.4 440 x 88 x 485 (17.3 x 3.5 x 19.1) 20.0 / 44.1 * 40°C / 32 ~ 104 * 50°C / 14 ~ 122 %RH, non-condensing 3280ft without derating 0dBA @ 1 meter front	t 192 x 320 x 553 (7.6 x 12.6 x 21.8) 30.5 / 67.2 440 x 88 x 600 (17.3 x 3.5 x 23.6)
ALARM Audible PROTECTION Full Pro FUCTION Mult DC Programmable PHYSICAL Dimensions (W (To Net Weig Dimensions (W (to Net Weig ENVIRONMENT Operation Storage T Operation Alt Nois COMMUNICATION	e or Visual rotection i-Mode : Start e Outlet (Option) xHxD in mm/inch) ower) yht (kgs/lbs) xHxD in mm/inch) RT) yht (kgs/lbs) Temperature iemperature iemperature on Humidity itude e Level ndard	Line failure, Battery lo Overload, Over temp No Ye: 154 x 259 x 404 (6.1 x 10.2 x 15.9) 15.0 / 33.1 440 x 88 x 405 (17.3 x 3.5 x 15.9) 14.5 / 32.0 0 0 0 0 0 0 90 1000m / 50 RS-232, USB, EPO	w, Transfer to bypass and System faul erature, Short circuit, ABDM and EPO yrmal / ECO / CVCF Yes s, support 2 outlets 171 x 288 x 441 (6.7 x 11.3 x 17.4) 21.5 / 47.4 440 x 88 x 485 (17.3 x 3.5 x 19.1) 20.0 / 44.1 * 40°C / 32 * 104 * 50°C / 14 * 122 %RH, non-condensing 3280ft without derating DdBA @ 1 meter front /ROO, RJ11/RJ45 surge protection	t 192 x 320 x 553 (7.6 x 12.6 x 21.8) 30.5 / 67.2 440 x 88 x 600 (17.3 x 3.5 x 23.6) 27.0 / 59.5
ALARM Audible PROTECTION Full Pr FUCTION Mult DC Programmable PHYSICAL Dimensions (W (To Net Weig Dimensions (W (To Net Weig COMMUNICATION Sta Interfac	e or Visual rotection i-Mode : Start e Outlet (Option) xHxD in mm/inch) ower) yht (kgs/lbs) xHxD in mm/inch) RT) yht (kgs/lbs) Temperature remperature itude e Level ndard e (Option)	Line failure, Battery lo Overload, Over temp No 154 x 259 x 404 (6.1 x 10.2 x 15.9) 15.0 / 33.1 440 x 88 x 405 (17.3 x 3.5 x 15.9) 14.5 / 32.0 0 0 0 0 0 ~ 90 1000m / 50 RS-232, USB, EPO 2nd RS-232, USB, RS4	w, Transfer to bypass and System faul erature, Short circuit, ABDM and EPO yrmal / ECO / CVCF Yes s, support 2 outlets 171 x 288 x 441 (6.7 x 11.3 x 17.4) 21.5 / 47.4 440 x 88 x 485 (17.3 x 3.5 x 19.1) 20.0 / 44.1 * 40°C / 32 ~ 104 * 50°C / 14 ~ 122 %RH, non-condensing 3280ft without derating 0dBA @ 1 meter front //ROO, RJ11/RJ45 surge protection 85, Dry contact relay, SNMP/WEB card	t 192 x 320 x 553 (7.6 x 12.6 x 21.8) 30.5 / 67.2 440 x 88 x 600 (17.3 x 3.5 x 23.6) 27.0 / 59.5
ALARM Audible PROTECTION Full Pro FUCTION Mult DC Programmable PHYSICAL Dimensions (W (Ta Net Weig Dimensions (W ( Net Weig ENVIRONMENT Operation Storage T Operation Alt Nois COMMUNICATION	e or Visual rotection i-Mode : Start e Outlet (Option) xHxD in mm/inch) ower) ght (kgs/lbs) xHxD in mm/inch) RT) yht (kgs/lbs) Temperature remperature on Humidity titude e Level ndard e (Option) ble Platforms	Line failure, Battery lo Overload, Over temp No 154 x 259 x 404 (6.1 x 10.2 x 15.9) 15.0 / 33.1 440 x 88 x 405 (17.3 x 3.5 x 15.9) 14.5 / 32.0 0 0 0 0 0 ~ 90 1000m / 50 RS-232, USB, EPO 2nd RS-232, USB, RS4	w, Transfer to bypass and System faul erature, Short circuit, ABDM and EPO yrmal / ECO / CVCF Yes s, support 2 outlets 171 x 288 x 441 (6.7 x 11.3 x 17.4) 21.5 / 47.4 440 x 88 x 485 (17.3 x 3.5 x 19.1) 20.0 / 44.1 * 40°C / 32 * 104 * 50°C / 14 * 122 %RH, non-condensing 3280ft without derating DdBA @ 1 meter front /ROO, RJ11/RJ45 surge protection	t 192 x 320 x 553 (7.6 x 12.6 x 21.8) 30.5 / 67.2 440 x 88 x 600 (17.3 x 3.5 x 23.6) 27.0 / 59.5
ALARM Audible PROTECTION Full Programmable Programmable Prysical Dimensions (W (Ta Net Weig Dimensions (W ( Net Weig ENVIRONMENT Operation Storage T Operation Alt Nois COMMUNICATION Sta Interfac Compatib	e or Visual rotection i-Mode : Start e Outlet (Option) xHxD in mm/inch) ower) ght (kgs/lbs) xHxD in mm/inch) RT) ght (kgs/lbs) Temperature remperature on Humidity ititude e Level ititude e Level ndard re (Option) ole Platforms TIONS**	Line failure, Battery lo Overload, Over temp No 154 x 259 x 404 (6.1 x 10.2 x 15.9) 15.0 / 33.1 440 x 88 x 405 (17.3 x 3.5 x 15.9) 14.5 / 32.0 0 0 0 0 0 ~ 90 1000m / 50 RS-232, USB, EPO 2nd RS-232, USB, RS4	w, Transfer to bypass and System faul erature, Short circuit, ABDM and EPO mmal / ECO / CVCF Yes s, support 2 outlets 171 x 288 x 441 (6.7 x 11.3 x 17.4) 21.5 / 47.4 440 x 88 x 485 (17.3 x 3.5 x 19.1) 20.0 / 44.1 * 40°C / 32 * 104 * 50°C / 14 * 122 %RH, non-condensing 3280ft without derating 0dBA @ 1 meter front */ROO, RJ11/RJ45 surge protection 85, Dry contact relay, SNMP/WEB carr adows series, Linux, Mac, etc.	t 192 x 320 x 553 (7.6 x 12.6 x 21.8) 30.5 / 67.2 440 x 88 x 600 (17.3 x 3.5 x 23.6) 27.0 / 59.5
ALARM Audible PROTECTION FULTION FUCTION FUCTION Mult DC Programmable PHYSICAL Dimensions (W (Ta Net Weig Dimensions (W (ta Net Weig ENVIRONMENT Operation Storage T Operation Storage T Operation Storage T Operation Storage T Communication Standards & CERTIFAC	e or Visual rotection i-Mode : Start e Outlet (Option) xHxD in mm/inch) ower) ght (kgs/lbs) xHxD in mm/inch) RT) yht (kgs/lbs) Temperature remperature on Humidity titude e Level ndard e (Option) ble Platforms	Line failure, Battery lo Overload, Over temp No Ye 154 x 259 x 404 (6.1 x 10.2 x 15.9) 15.0 / 33.1 440 x 88 x 405 (17.3 x 3.5 x 15.9) 14.5 / 32.0 0 0 0 0 0 0 0 0 0 0 0 0 0	w, Transfer to bypass and System faul erature, Short circuit, ABDM and EPO yrmal / ECO / CVCF Yes s, support 2 outlets 171 x 288 x 441 (6.7 x 11.3 x 17.4) 21.5 / 47.4 440 x 88 x 485 (17.3 x 3.5 x 19.1) 20.0 / 44.1 * 40°C / 32 ~ 104 * 50°C / 14 ~ 122 %RH, non-condensing 3280ft without derating 0dBA @ 1 meter front //ROO, RJ11/RJ45 surge protection 85, Dry contact relay, SNMP/WEB card	t 192 x 320 x 553 (7.6 x 12.6 x 21.8) 30.5 / 67.2 440 x 88 x 600 (17.3 x 3.5 x 23.6) 27.0 / 59.5

WE ARE DEDICATED TO PRODUCING THE BEST POWER QUALITY SOLUTIONS AND PRODUCTS FOR YOUR BUSINESS. We manufacture power quality solutions using proven technology and the latest industry knowledge to deliver the cleanest, most reliable power available to businesses in a diverse range of markets and industries.

