

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.



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

PRODUCT SPECIFICATIONS

MODEL	Tower	ARES PLUS 1500		ARES PLUS 2000	ARES PLUS 3000
	RT	ARES PLUS RT 1500			ARES PLUS RT 3000
INPUT					
Phase		Single phase with ground			
Voltage Range(VAC)**		55 / 75 / 90 ~ 150VAC			
Frequency Range(Hz)		44 ~ 66Hz (auto sensing)			
Input Power Factor		0.99 @ nominal voltage 100% linear load			
OUTPUT					
Capacity(VA/W)		1500 / 1350	2000 / 1800		3000 / 2700
Voltage(VAC)***		120VAC, adjustable to 100 / 110 / 115 / 120VAC			
Output Power Factor***		0.9			
Output Voltage Distortion		< 3% @ 100% linear load < 6% @ 100% non-linear load			
Output Voltage Regulation		±1%			
Frequency Range(Hz)		50 / 60Hz ± 1Hz or ± 3Hz (selectable)			
Crest Factor Ratio		3:1			
Output Waveform		Pure sine wave			
EFFICIENCY					
Line Mode		Up to 92%			
High Efficiency Mode		Up to 97%			
BATTERY					
Battery Type		VRLA, sealed lead acid maintenance free			
Capacity and Number		12V / 9Ah x 3	12V / 9Ah x 4		12V / 9Ah x 6
Voltage(Vdc)		36	48		72
Typical Charger Time		4 hours recover to 90% capacity			
INDICATOR					
LED		Normal / Battery / Bypass mode, Battery Bad/Weak, Fault, Overload, Site wiring fault, Outlet1, Outlet2, Load			
LCD Measures (Option)		Voltage, Frequency, Load level, Battery level, Output current and Estimated autonomy			
Self-Diagnostics		Upon power-on, Front panel setting and Software control, 24Hours routine check			
ALARM					
Audible or Visual		Line failure, Battery low, Transfer to bypass and System fault			
PROTECTION					
Full Protection		Overload, Over temperature, Short circuit, ABDM and EPO			
FUNCTION					
Multi-Mode		Normal / ECO / CVCF			
DC Start		Yes			
Programmable Outlet (Option)		Yes, support 2 outlets			
PHYSICAL					
Dimensions (WxHxD in mm/inch) (Tower)		154 x 259 x 404 (6.1 x 10.2 x 15.9)	171 x 288 x 441 (6.7 x 11.3 x 17.4)		192 x 320 x 553 (7.6 x 12.6 x 21.8)
Net Weight (kgs/lbs)		15.0 / 33.1	21.5 / 47.4		30.5 / 67.2
Dimensions (WxHxD in mm/inch) (RT)		440 x 88 x 405 (17.3 x 3.5 x 15.9)	440 x 88 x 485 (17.3 x 3.5 x 19.1)		440 x 88 x 600 (17.3 x 3.5 x 23.6)
Net Weight (kgs/lbs)		14.5 / 32.0	20.0 / 44.1		27.0 / 59.5
ENVIRONMENT					
Operation Temperature		0 ~ 40°C / 32 ~ 104			
Storage Temperature		-10 ~ 50°C / 14 ~ 122			
Operation Humidity		0 ~ 90%RH, non-condensing			
Altitude		1000m / 3280ft without derating			
Noise Level		50dBA @ 1 meter front			
COMMUNICATION					
Standard		RS-232, USB, EPO/ROO, RJ11/RJ45 surge protection			
Interface (Option)		2nd RS-232, USB, RS485, Dry contact relay, SNMP/WEB card			
Compatible Platforms		Microsoft Windows series, Linux, Mac, etc.			
STANDARDS & CERTIFICATIONS*					
Safety		UL1778			
EMC		FCC Part 15 Class A			
Marks		FCC, cULus			

* Based on load percentage.

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.