

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 2000	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		
Output Voltage Regulation		< 6% @ 100% non-linear load		
Frequency Range(Hz)		±1%		
Crest Factor Ratio		50 / 60Hz ± 1Hz or ± 3Hz (selectable)		
Output Waveform		3:1		
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, cTUVus		

**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.