

## ARES Series On-line UPS

The Ares series on-line double conversion UPS with full-time digital single processor control technology is the cost-effective solution for mission critical user who demand high reliability and performance from a UPS.

- True On-line Double Conversion Topology
- Advanced Digital Control Technology
- Wide Range Input Window from 110~300Vac
- Active Harmonic Current Control
- Power Factor 0.9
- Multi-Mode Operation
- Smart Cooling Fan Design
- Programmable Receptacles (Option)
- Remote Emergency Power Off (Option)
- Personalization & Intelligent Self-diagnostic
- Easily Program Upgrade



MODEL	AS 1K		AS 2K		AS 3K	
Input	Voltage	110Vac--300Vac **				
	Frequency	45Hz ~ 65Hz (Auto Sensing)				
	Phase	Single + G				
	Power Factor	≥0.99 at Linear Load				
Output	Voltage	200/208/220/230/240				
	Capacity	1000VA	2000VA	3000VA		
	Power Factor	0.9				
	Frequency (Synchronized Range)	3Hz or 1Hz(Selectable)				
	Frequency (Battery Mode)	50Hz/60Hz ± 0.1% Unless Synchronized to Line				
	Current Crest Ratio	3:1				
	Harmonic Distortion	< 3 % (at Full Linear Load)				
	Output Waveform	Pure Sine Wave				
	Transfer Time(AC to DC)	0 ms				
	Efficiency	90% (Line Mode)				
	DC start	Yes				
	Battery	Number of Batteries	2	4	6	
Type		Sealed Lead Acid Maintenance Free				
Capacity		12V/7AH				
Rated Battery Voltage		24Vdc	48Vdc	72Vdc		
Recharge time (to 90%)		3~6 hours				
Display	LED	Standard	Load Level/Battery Level/ Battery Mode/ Normal Mode/Bypass Mode/ Self-Test/ Weak/Bad Battery/Site Wiring Fault/ Fault/ Overload			
		Option	Programmable Outlet1/ Programmable Outlet2			
	Self Diagnostics	Front Panel or Software Control				
Alarm	Button	ON/Alarm Silence Button/ OFF Button/ Test/Level Button				
Protection	Audible and Visual	Line Failure, Battery Low, Overload, System Fault Conditions				
	Overload Capacity	105% continuous, 120% for 30 sec. , 150% for 10 sec.				
	Short Circuit	Output Breaker/Electronic Circuit				
	EPO (Option)	Output Shutdown Immediately				
Physical	Over Temperature	Bypass or Shutdown Immediately				
	Dimensions (WxHxD, mm/inch)	236x144x367 / 9.2x5.6x14.4	322x151x444 / 12.6x5.9x17.4	322x189x444 / 12.6x7.4x17.4		
	Net Weight (kgs/lbs)	10 / 22.04	16.5 / 36.3	22.5 / 49.5		
	Outlet	(3) IEC 320-C13	(6) IEC 320-C13	(6) IEC 320-C13		
Environmental	Operation Temperature	0 to 40°C / 32 to 104 °F				
	Noise Level	<50dBA				
	Altitude	1000m/3300ft without De-Rating				
	Humidity	0 to 90% (Without Condensation)				
Interface	Interface Type	RS232, USB (Option)				
	Communication Slot (Option)	USB, Dry Contact Relay, SNMP/Web Card				
	Compatible Platforms	Microsoft Windows series, Linux, Mac, etc.				
Standards and Certifications	Safety	IEC/EN 62040-1				
	EMC	IEC/EN 62040-2				
	Markings	IEC/EN 61000-4-2/-3/-4/-5/-6/-8, IEC/EN 61000-2-2 ,IEC/EN 61000-3-2/-3				
		CE				

\* Specifications subject to change without notice.

\*\* Base on load percentage

### Battery Bank Specifications

UPS model	Code	Bat. Type	Max. Quantity	Dimension (WxHxD, mm/inch)
AS 1KVA	T04WXX07	7AH	4	236x144x367 / 9.2x5.6x14.4
AS 2KVA	T12XXX07	7AH	12	322x151x444 / 12.6x5.9x17.4
AS 3KVA	T12YXX07	7AH	12	322x151x444 / 12.6x5.9x17.4

