

# // **ARES** **DSP-Controlled** **On-Line UPS** / *Ares 1-3KVA*



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



■ AS 1K



■ AS 2K



■ AS 3K

## **Battery Bank Specifications**

UPS model	Code	Bat. Type	Max. Quantity	Dimension (WxHxD mm)
AS 1KVA	T04WXX07	7AH	4	236x144x367
AS 2KVA	T12XXX07	7AH	12	322x151x444
AS 3KVA	T12YXX07	7AH	12	322x151x444

## Ares Series Specifications

MODEL	AS 1K		AS 2K		AS 3K	
<b>Input</b>	Voltage	110Vac~300Vac **				
	Frequency	45 ~ 65Hz (Auto Sensing)				
	Phase	Single + G				
	Power Factor	≥0.99 at Linear Load				
<b>Output</b>	Voltage	200/208/220/230/240				
	Capacity	1000VA/900W	2000VA/1800W	3000VA/2700W		
	Frequency (Synchronized Range)	3Hz or 1Hz(Selectable)				
	Frequency (Battery Mode)	50Hz/60Hz ± 0.1% Unless Synchronized to Line				
	Crest Factor	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				
	<b>Battery</b>	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				
<b>Display</b>	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				
	Button	ON/Alarm Silence Button/ OFF Button/ Test/Level Button				
<b>Alarm</b>	Audible and Visual	Line Failure, Battery Low, Overload, System Fault Conditions				
<b>Protection</b>	Overload Capacity	105% continuous, 120% for 30 sec. , 150% for 10 sec.				
	Short Circuit	Output Breaker/Electronic Circuit				
	EPO (Option)	Output Shutdown Immediately				
	Over Temperature	Bypass or Shutdown Immediately				
<b>Physical</b>	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		
<b>Environment</b>	Noise Level	<50dBA				
	Altitude	1000m/3300ft without De-Rating				
	Humidity	0 to 90% (Without Condensation) @ 0 to 40°C / 32 to 104 °F				
<b>Interface</b>	Interface Type	RS232, USB (Option)				
	Communication Slot (Option)	USB, Dry Contact Relay, SNMP/Web Card				
	Compatible Platforms	Microsoft Windows series, Linux, Mac, etc.				
<b>Standards and Certifications</b>	Safety	IEC/EN 62040-1				
	EMC	IEC/EN 62040-2 IEC/EN 61000-4-2/-3/-4/-5/-6/-8, IEC/EN 61000-2-2, IEC/EN 61000-3-2/-3				
	Markings	CE				

\* Specifications subject to change without notice.

\*\* Base on load percentage

