

// **ARES** **DSP-controlled** **On-line UPS** / *Ares 1-3KVA*



- True On-line Double Conversion Topology
- Advanced Digital Control Technology
- Wide Range Input Window from 110~300Vac
- Active Harmonic Current Control
- Power Scalable and Parallel Redundancy up to 6 units
- 0.7 Output Power Factor
- Multi-Mode Operation
- Smart Cooling Fan Design
- Programmable Receptacles (Option)
- Remote Emergency Power Off (Option)
- Personalization & Intelligent Self-diagnostic
- Easily program upgrade



■ AS 1K



■ AS 2K



■ AS 3K

Battery bank

UPS model	Code	Bat. Type	Max. Quantity	Dimension (WxHxD mm)
AS 1KVA	T04WXX07	7AH	4	144x236x367
AS 2KVA	T12XXX07	7AH	12	151x322x444
AS 3KVA	T12YXX07	7AH	12	151x322x444

Ares 1-3K Specifications

MODEL	AS 1K		AS 2K		AS 3K	
INPUT	Voltage		110Vac~300Vac **			
	Frequency		45Hz ~ 65Hz			
	Phase		Single phase with ground			
	Power Factor		≥0.99 at linear load			
Output	Voltage		200/208/220/230/240			
	Capacity		1000VA/700W	2000VA/1400W	3000VA/2100W	
	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		up to 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		
Backup time (half load)		>10min.	>10min.	>10min.		
Recharge time (to 90%)		8 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		By button of the panel or Software Control			
	Button		(ON/Alarm Silence Button)/ OFF Button/ (Test/Level Button)			
Alarm	Audible and Visual		Line Failure, Battery Low, Overload, System Fault Conditions			
Protection	Overload capacity		105% continuous, 120% for 30 sec. , 150% for 10 sec.			
	Short Circuit		Output Breaker/Electronic Circuit			
	EPO		Output shuts down immediately			
	Over Temperature		Normal Mode :Transfer to Bypass Mode,Battery Mode : UPS shuts down immediately			
Physical	Dimensions (W x H x D in mm)		144x236x367	151x322x444	189x322x444	
	Weights (kgs)		10	16.5	22.5	
	Outlet		(3) 10A,IEC 320-C13	(6) 10A,IEC 320-C13	(6) 10A,IEC 320-C13	
Environmental	Operation Temperature		0-40°C			
	Noise Level		<50dBA			
	Altitude		2000 m without de-rating			
	Humidity		0 to 90% (Without condensation)			
Interface	Interface Type		RS232, USB (option)			
	Communication Slots (option)		USB, Dry contact, SNMP/Web Card, etc.			
	Compatible platforms		Microsoft Windows series, Linux, Mac, etc.			
Standards and Certifications	Safety		IEC/EN 62040-1-1			
	EMC		IEC/EN 62040-2 class A IEC/EN 61000-4-2/-3/-4/-5/-6/-8, IEC/EN 61000-2-2 ,IEC/EN 61000-3-2/-3			
	Markings		CE			

* Base on load percentage

**Specifications subject to change without notice.

