

// **ARES** **DSP-Controlled** **On-Line UPS** / **ARES 1K & 3K Series**



■ ARES 1K (2U)



■ ARES 3K (4U)

- True On-Line Double Conversion Topology
- Advanced Digital Control Technology
- Wide Range Input Window from 165~275Vac
- Active Harmonic Current Control
- Multi-Mode Operation
- Smart Cooling Fan Design
- Personalization & Intelligent Self-diagnostic
- Easy Program Upgrade
- Support Control Key Converted into ECO Mode
- SNMP Compatible Design
- Remote Emergency Power off (Option)
- IGBT PWM Technology

ARES Series Specifications

MODEL	ARES 1K		ARES 3K	
Input	Voltage	165Vac ~ 275Vac		
	Frequency	45Hz ~ 65Hz (Auto Sensing)		
	Phase	Single + G		
	Power Factor	≥0.99 at Linear Load		
Output	Voltage	200/208/220/230/240 (adjustable)		
	Voltage Tolerance	<± 2%		
	Capacity	1000VA/900W	3000VA/2700W	
	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	4	12	
	Type	Sealed Lead Acid Maintenance Free		
	Voltage per Battery	12V		
	Rated Battery Voltage	24Vdc	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	
	Self Diagnostics		Front 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	Bypass or Shutdown	High voltage, Over current, Short circuit, Over temperature		
Physical	Dimensions (WxHxD, mm)	440x88x450	440x176x600	
	Outlet	(1) Schuko + (3) IEC 320-C13	(2) Schuko + (6) IEC 320-C13	
Environmental	Operation Temperature	0 to 40°C		
	Noise Level	<50dBA		
	Altitude	1000m without De-Rating		
	Humidity	0 to 90% (Without Condensation)		
Interface	Interface Type	RS232, SNMP		
	Compatible Platforms	Microsoft Windows series, Linux, Mac, etc.		
Standards and Certifications	Safety and EMC	EN62040-1 and EN62040-2		

* Specifications subject to change without notice.

