

Ares Series DSP-Controlled On-Line UPS

ARES 1KVA~3KVA



- True On-line Double Conversion Topology
- Advanced DSP Control Technology
- 0.9 Output Power Factor
- Rack/Tower Design
- Wide Input Voltage Range
- Active Harmonic Current Control
- Multiple Operation Mode Supported
- Easy Firmware Flash Upgrade
- Optional Remote Emergency Power Off (REPO)
- Optional Programmable Outlets



■ ARES 1000



■ ARES 2000



■ ARES 3000

Specifications

Model	ARES 1000	ARES 2000	ARES 3000	
Input	Voltage			110Vac~300Vac **
	Frequency			45Hz ~ 65Hz
	Phase			Single phase with ground
	Power Factor			≥ 0.99 at linear load
	Capacity	1000VA/900W	2000VA/1800W	3000VA/2700W
Output	Voltage			200/208/220/230/240
	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
Type		Sealed Lead Acid Maintenance Free		
Capacity		12V/7AH		
Rated Battery Voltage		24Vdc	48Vdc	72Vdc
Backup time (80% load)		>5min.	>5min.	>5min.
Display	Recharge time (to 90%)	4 hours		
	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)		
Alarms	Audible and Visual			Line Failure, Battery Low, Overload, System Fault Conditions
	Overload capacity			105% continuous, 120% for 30 sec. , 150% for 10 sec.
Protection	Short Circuit			Output Breaker/Electronic Circuit
	EPO			Output shutdown immediately
	Over Temperature			Normal Mode :Transfer to Bypass Mode Battery Mode : UPS shuts down immediately
Physical	Dimensions (HxWxD, mm)			236x144x367 322x151x444 322x189x444
	Weights (kgs)			11.2 18.8 24.9
	Outlet			(3) 10A,IEC 320-C13 (6) 10A,IEC 320-C13 (6) 10A,IEC 320-C13
	Operation Temperature			0~40°C
Environmental	Noise Level			< 50dBA
	Altitude			2000 m without de-rating
	Humidity			20%~90%RH (Without condensing)
Interface	Interface Type			Standard: RS232 / Communication Slot, Option: USB
	Communication slot option			Dry contact, SNMP/Web Card, etc.
	Compatible platforms			Microsoft Windows series, Linux, Mac, etc.
	Safety			IEC/EN 62040-1-1
Standard and Certifications	EMC			IEC/EN 62040-2 class A
	Markings			IEC/EN 61000-4-2/-3/-4/-5/-6/-8, IEC/EN 61000-2-2 ,IEC/EN 61000-3-2/-3
				CE

Battery Bank Specification

UPS model	Code	Bat. Type	Max. Quantities	Dimensions (HxWxD, mm)
ARES 1000	T04WXX07	7AH	4	236x144x367
ARES 2000	T12XXX07	7AH	12	322x151x444
ARES 3000	T12YXX07	7AH	12	322x151x444

* Specifications subject to change without notice.

** Maximum, range will be adjusted according to load level automatically.

*** The same technical specification may be sold in different countries under different model names, please consult Ablerex for more information.

