

Ares Series DSP-Controlled On-Line UPS

ARES (RS) 1000VA~3000VA



- 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	≥ 0.98 at linear load		
Output	Capacity	1000VA/900W	2000VA/1800W	3000VA/2700W
	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	6
	Type	Sealed Lead Acid Maintenance Free		
	Capacity	12V/7AH		
	Rated Battery Voltage	24Vdc	48Vdc	72Vdc
Recharge time (to 90%)	4 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)		
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 / 32~104°F		
Environmental	Noise Level	< 50dBA		
	Altitude	1000m / 3280ft without Derating		
	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.		
Standard and Certifications	Safety	IEC/EN 62040-1-1		
	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		
	Markings	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.

