

Ares RT Series - ITS

DSP-Controlled On-Line UPS

ARES RT 1KVA~1.5KVA



- True On-line Double Conversion Topology Ideal in ITS Applications.
- Advanced DSP Control Technology
- 0.9 Output Power Factor
- Rack/Tower Design
- Wide Input Voltage Range of 55 to 150VAC
- Active Harmonic Current Control
- LCD/LED Display
- ECO Green or On-Line Operating Modes
- Emergency Power Off (REPO)
- Independantly NEMA tested in the USA for Vibration and Temperature
- Make Before Break Bypass with PDU plug and play option.

Specifications

Model	ARES RT 1000 ITS	ARES RT 1500 ITS	
Input	Phase	Single Phase with Ground	
	Voltage Range**	55~150 Vac	
	Frequency Range	50~70Hz (Auto sensing)	
	Input Power Factor	>0.98 @ 100% linear load	
Output	Capacity	1000VA/900W	1500VA/1350W
	Output Voltage	100/110/115/120/127 Vac	
	Output Power Factor***	0.9	
	Output Voltage Distortion	<3% @ 100% Linear load <7% @ 100% non-linear load	
	Output Voltage Regulation	±1%	
	Frequency Range	±1Hz or ±3Hz (Selectable)	
	Crest Factor	3:1	
Efficiency	Output Waveform	Pure Sine Wave	
	Line Mode	Up to 92%	
	High Efficiency Mode	Up to 96%	
Battery	Battery Type	External Batteries Required	
	Battery Number	2	3
	Battery Voltage	24VDC	36VDC
	Recharge Time (to 90%)	<24 hours with one string of 55AH batteries	
Display	LED	Load Level/Battery Level/ Battery Mode/ Normal Mode/Bypass Mode/ Self-Test/Weak/ Bad Battery/Site Wiring Fault/ Fault/ Overload Output status/Programmable Outlet1/ Programmable Outlet2	
	LCD measures	Voltage / Frequency / Load level / Battery level	
	Self-Diagnostics	Upon Power-on, Front Panel Setting & Software Control, 24 hours routine check	
Alarm	Audible or Visual	Line Failure / Battery Low / Transfer to Bypass / System Fault	
Protection	Full Protection	Overload, Over temperature, Short circuit, Discharge, Overcharge	
Function	Multi-Mode	Normal/ ECO/ CVCF	
	DC start	Yes	
	Programmable Outlet	Yes	
Physical	Dimensions	88 x 440 x 390	
	(WxHxD, mm/inch)	17.3x3.5x15.4	
	Net Weight (kg/lbs)	16.2	24
Environmental	Operation Temperature	-37 to +74c	
	Operation Humidity	5%~95%RH (Without condensing)	
	Altitude	1000m/3280ft without Derating	
	Noise Level	≤50dBA @ 1 meter front	
Interface	Standard	RS-232, USB, EPO	
	Option	Dry Contact Relay or SNMP/WEB Card	
	Compatible Platforms	Microsoft Windows series, Linux, Mac, etc.	
Standards and Certifications****	Safety	UL1778	
	EMC	FCC Class A	
	Marks	UL, cUL, FCC	

Battery Requirements

Contents	ARES RT 1000 ITS	ARES RT 1500 ITS
Rated Battery String Voltage	24	36
Number of batteries required Minimum	2	2
Battery type	External only,	

* Specifications subject to change without notice.

** Based on load percentage.

*** Depending on the model and voltage, please contact TechPower Developments Inc for more information.

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

