

Ares Plus Tower Series

DSP-Controlled On-line

ARES PLUS 1000VA~3000VA



- True On-line Double Conversion Topology
- Advanced DSP Control Technology
- 0.9 Output Power Factor
- Wide Input Voltage Range
- Active Harmonic Current Control
- LCD/LED Display
- Patent Backup Runtime Estimation
- Multiple Operation Mode
- Remote Emergency Power Off (REPO)
- Remote On Off control (ROO)
- Optional Programmable Outlets
- Easy Firmware Flash Upgrade

Specifications

Model	ARES PLUS 1000	ARES PLUS 2000	ARES PLUS 3000	ARES PLUS 1000	ARES PLUS 1500	ARES PLUS 2000	ARES PLUS 3000			
Input	Phase			Single + G						
	Voltage Range**			110~300Vac						
	Frequency Range			45-65Hz (Auto sensing)						
	Input Power Factor			≥0.99@ 100% linear load						
Output	Capacity	1000VA/900W	2000VA/1800W	3000VA/2700W	1000VA/900W	1500VA/1350W	2000VA/1800W	3000VA/2700W		
	Output Voltage			220/230/240 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						
	Output Waveform			Pure Sine Wave						
Efficiency	Line Mode			Up to 92%						
	High Efficiency Mode			Upt to 97%						
Battery	Capacity			12Vdc/7AH						
	Battery Number	3	6	6	2	3	4	6		
	Battery Voltage	36	72	72	24	36	48	72		
	Recharge Time (to 90%)			4 hours						
Display	LCD measures							Volatge / Frequency / Load level / Battery level / Output current / Estimated autonomy		
Alarm	Self-Diagnostics							Upon Power-on, Front Panel Setting & Software Control, 24 hours routine check		
Protection	Audible or Visual			Line Failure / Battery Low / Transfer to Bypass / System Fault						
	Full Protection			Overload, Over temperature, Short circuit, Discharge, overcharge						
Function	Multi-Mode			Normal/ ECO/ CVCF						
	DC start			Yes						
Physical	Programmable Outlet			Option						
	Dimensions (WxHxD) mm			154 x 211 x 382.4	192 x 249.9 x 469.8	192 x 319.9 x 451	154 x 258 x 404	154 x 258 x 404	171 x 288 x 441	192 x 320 x 553
	inch			6.1 x 8.3 x 15.1	7.6 x 9.8 x 18.5	7.6 x 12.6 x 17.8	6.1 x 10.2 x 15.9	6.1 x 10.2 x 15.9	6.7 x 11.3 x 17.4	7.6 x 12.6 x 21.8
	Net Weight kgs			11.6	22.2	29.8	12.3	15	21.5	30.5
	lbs			25.6	48.9	65.7	27.1	33.1	47.4	67.2
Environmental	Operation Temperature			0~40°C / 32~104°F						
	Operation Humidity			20%~95%RH (Without condensing)						
	Altitude			1000m/3280ft without Derating						
	Noise Level			≤50dBA @ 1 meter front						
Interface	Standard			RS-232, EPO						
	Option			USB, RS-485 (Modbus), Dry Contact Relay, SNMP/WEB Card						
	Compatible Platforms			Microsoft Windows series, Linux, Mac, etc.						
Standards and Certifications***	Safety			EN62040-1						
	EMC			EN62040-2 (C2)						
	Marks			CE						
				UL1778						
			FCC Class A							
			cTUVus, FCC							

Battery Packs Specifications

Contents	BT060367	BT120727	BT120727	BT080247	BT060367	BT080487	BT120727	
Rated Battery Voltage	36	72	72	24	36	48	72	
Number of batteries	6	12	12	8	6	8	12	
Battery type*	12Vdc / 7Ah							
Dimensions (WxHxD)	mm	154 x 258.2 x 403.6	192 x 319.9 x 552.8	192 x 319.9 x 552.8	171 x 287.6 x 440.6	154 x 258.2 x 403.6	171 x 287.6 x 440.6	192 x 319.9 x 552.8
	inch	6.1 x 10.2 x 15.9	7.6 x 12.6 x 21.8	7.6 x 12.6 x 21.8	6.7 x 11.3 x 17.3	6.1 x 10.2 x 15.9	6.7 x 11.3 x 17.3	7.6 x 12.6 x 21.8
Weight	kgs	18.5	38.5	42.1	27.6	20.3	42.1	
	lbs	40.8	84.9	92.81	60.9	44.8	92.8	

* Specifications subject to change without notice.

** Based on load percentage.

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

