

Ares Plus Tower Series

DSP-Controlled On-line

ARES PLUS 1000VA~3000VA & ARES PLUS X 2000VA~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



■ ARES PLUS 1000



■ ARES PLUS 2000



■ ARES PLUS 3000
■ ARES PLUS 3008



■ ARES PLUS 2000X
■ ARES PLUS 3000X

Specifications

Model	ARES PLUS 1000	ARES PLUS 2000	ARES PLUS 3000	ARES PLUS 3000D	ARES PLUS 2000X	ARES PLUS 3000X	
Input	Phase						Single + G
	Voltage Range**						110~300Vac
	Frequency Range						45-70Hz (Auto sensing)
	Input Power Factor						>0.99 @ 100% linear load
Output	Capacity	1000VA/900W	2000VA/1800W	3000VA/2700W	2000VA/1800W	3000VA/2700W	
	Output Voltage						208/220/230/240 Vac
	Output Power Factor***						0.9
	Output Voltage Distortion						<3% @ 100% Linear load <7% @ 100% non-linear load
	Output Voltage Regulation						±2%
	Frequency Range						±1Hz or ±3Hz (Selectable)
	Crest Factor						3:1
	Output Waveform						Pure Sine Wave
Efficiency	Line Mode						Up to 92%
	High Efficiency Mode						Up to 97%
Battery	Battery Type						Sealed Lead Acid Maintenance Free 12Vdc 7AH or 9AH
	Battery Number	3	6	6	8	12	
	Battery Voltage	36	72	72	96	72	
	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/Overload
	LCD Option						Voltage / Frequency / Load level / Battery level / Output current / Estimated autonomy
	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 (WxHxD) mm		152 x 211 x 382.4	192 x 250 x 470	192 x 250 x 525	192 x 320 x 486
inch		6.1 x 8.3 x 15.1	7.6 x 9.8 x 18.5	7.6 x 9.8 x 20.7	7.6 x 12.6 x 19.1	7.6 x 12.6 x 21.8	
Net Weight kgs		11.6	22.2	25.4	35.2	42.4	
lbs		25.6	48.9	56.0	77.6	93.5	
Operation Temperature						0~40°C / 32~104°F	
Operation Humidity						20%~95%RH (Without condensing)	
Environmental	Altitude						1000m/3280ft without Derating
	Noise Level						≤50dBA @ 1 meter front
	Standard						RS232, USB, EPO
	Option						RS-485 (Modbus), Dry Contact Relay, SNMP/WEB Card
Interface	Compatible Platforms						Microsoft Windows series, Linux, Mac, etc.
	Safety						EN62040-1, UL1778
	EMC						EN62040-2, EN61000-3-2, EN61000-3-3, FCC class A
Standards and Certifications***	Marks						CE, cTUVus

Battery Packs Specifications

Contents	BT08024X	BT06036X	BT08048X	BT12072X	BT18072X	BT16096X	
Rated Battery Voltage	24	36	48	72	72	96	
Number of batteries	8	6	8	12	18	16	
Battery type*							
Lead Acid Maintenance Free 12V 7Ah/9Ah							
Dimensions (WxHxD)	mm	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	192 x 319.9 x 552.8	192 x 319.9 x 552.8
	inch	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	7.6 x 12.6 x 21.8	7.6 x 12.6 x 21.8

* 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 Alerex for more information.

