

AP2 Series DSP-Controlled On-Line UPS 1000 ~ 3000VA

Application

Small Office
NAS system
IT/Network Server
Security Server

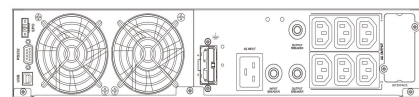
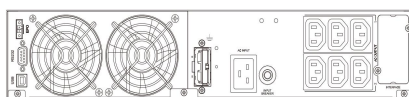
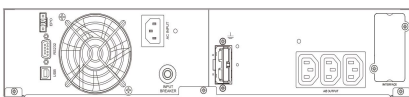
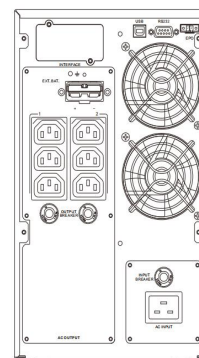
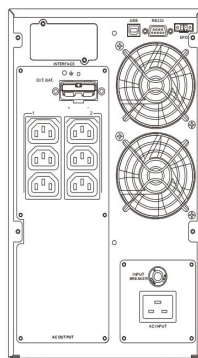
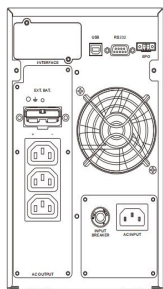


Feature

True On-line Double Conversion Topology
Advanced DSP Control Design
1.0 Output Power Factor
Up to 93% high Efficiency
Wide Input Voltage Range
Active Harmonic Current Control
LED or LCD Panel (Option)
Patent Backup Runtime Estimation
Multiple Operation Mode
Remote Emergency Power Off (REPO)
Remote On/Off Control (ROO)
Programmable Outlets (Option)
Easy Firmware Flash Upgrade
Optional Super Charger upto 8A
Lithium Battery Compatible



Rear Panel



1K

2K

3K

Specification

MODEL	TOWER		AP2 1000	AP2 2000	AP2 3000		
	RT		AP2 RT 1000	AP2 RT 2000	AP2 RT 3000		
Input	Voltage Rating		110Vac~300Vac , Single Phase				
	Frequency Rating		40-70 Hz 50Hz fin> 40Hz and fin < 60Hz 60Hz fin> 50Hz and fin < 70Hz				
	Phase		Single phase with ground				
	Power Factor		≅ 0.99 at full linear load				
	Current harmonic distortion (I _{THD})		I _{THD} < 5% (Nominal voltage with <1% V _{THD} for 100% linear load)				
Output	Capacity(VA/W)		1000 / 1000	2000 / 2000	3000 / 3000		
	Voltage		230 Vac, adjustable to 200/208/220/230/240 Vac (200Vac / 208Vac with 80% power capacity derating)				
	Voltage Regulation		Static: within ±1% until low-battery warning				
	Frequency Regulation		±0.1Hz unless synchronized to line				
	Frequency (Synchronized Range)		50Hz system 47Hz ~ 53Hz (selectable: 49Hz ~ 51Hz) 60Hz system 57Hz ~ 63Hz (selectable: 59Hz ~ 61Hz)				
	Crest Factor		3: 1				
	Voltage Harmonic Distortion(V _{THD})		< 2% at full linear load ≤3.5% at 0.9 non-linear load				
	Output Waveform		Pure sine wave				
Efficiency	Line mode		>90%	>91%	>92%		
	Battery mode		>87%	>88%	>89%		
	ECO mode		>96%	>97%	>97%		
Battery	Lead-Acid Battery	Battery System Voltage		36Vdc	72Vdc	72Vdc	
		Number of batteries		3	6	6	
		Battery type		12Vdc /7Ah or 12Vdc /9Ah	12Vdc /7Ah or 12Vdc /9Ah	12Vdc /7Ah or 12Vdc /9Ah	
	Lithium Battery	Battery System Voltage		38.4Vdc	76.8Vdc	76.8Vdc	
		Number of batteries		3 (12.8Vdc series)	2 (76.8Vdc parallel)	3 (76.8Vdc parallel)	
		Battery type		12.8Vdc /6Ah or 12.8Vdc /9Ah	76.8Vdc /3Ah (battery pack)	76.8Vdc /3Ah (battery pack)	
Charger	Charge Current	Standard		1A / 2A selectable			
		Optional		1A / 2A / 4A / 8A selectable			
	Recharge time (to 90%)		5hr (2A Charging Current For Internal Battery)				
	Charge Voltage	Lead-Acid Battery		40.95Vdc ± 1%	81.9Vdc ± 1%	81.9Vdc ± 1%	
Lithium Battery		42Vdc ± 1%	84Vdc ± 1%	84Vdc ± 1%			
Transfer time	AC to DC		0 ms				
Outlet	Programmable Outlet (Optional)		IEC320 C13 (3) x 1	IEC320 C13 (3) x 2	IEC320 C13 (3) x 2		
Protection	Full Protection		Overload: EPO; Site Wiring Fault				
Physical	Dimensions W x H x D mm (in.)	RT model		440x88x454 (17.3x3.5x17.9)	440x88x640 (17.3x3.5x25.2)	440x88x640 (17.3x3.5x25.2)	
		Tower model		154x258.2x445 (6.1x10.2x17.5)	192x319.9x620 (7.6x12.6x24.4)	192x319.9x620 (7.6x12.6x24.4)	
	Net Weight kg (lb.)	RT model	with battery		14.8 (32.6)	24.4 (53.8)	27.0 (59.5)
			without battery		8.5 (18.7)	11.8 (26.0)	12.3 (27.1)
		Tower model	with battery		13.8 (30.4)	24.1 (53.1)	26.2 (57.8)
			without battery		7.5 (16.5)	11.5 (25.4)	11.5 (25.4)
Interface	Standard		RS232、USB、EPO/ROO				
	Option(Mini slot)		SNMP card、Relay card、RS485 card、Temperature Compensation				
	Compatible Platforms		Microsoft Windows series, Linux, Mac, etc.				
Environmental	Operating Temperature		0°C ~ 40°C (32°F to 104°F)				
	Non-operating/Storage Temperature		UPS without Batteries: -10 ~ 50 °C (+14 to +122°F) UPS with Lead-Acid Batteries: -10 ~ 40 °C (+14 to +104°F) UPS with Lithium Batteries: -10 ~ 35 °C (+14 to +95°F) (<6 months)				
	Relative Humidity		<95% RH @ 0°C ~ 40°C (Non-condensing)				
	IP Rating		IP 20				
	Operating elevation		0 to +2,000 m without derating of output power				
	Pollution Degree		2 (non conductive pollution, temporary conductivity caused by condensation)				
	Overvoltage Category		CAT II				
	Applicable power grid power distribution system		TN				
Standards and Certifications	Safety		IEC/EN 62040-1				
	EMC		EN IEC 62040-2:2018 C2				
	Markings		CE				

* Specifications subject to change without notice, and the final explanation rights are reserved by AblereX.

** Based on load percentage.

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