

**AE2 Series DSP-Controlled On-Line UPS  
1000 ~ 3000VA**

**Application**

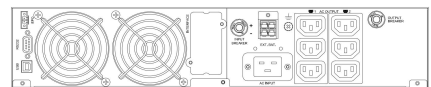
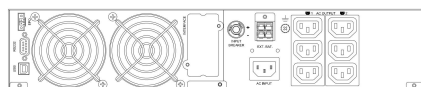
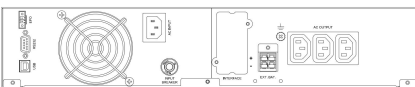
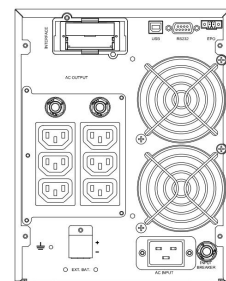
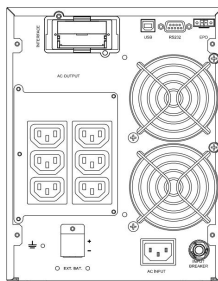
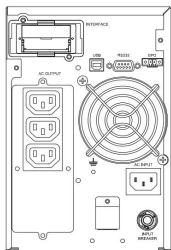
Small Office  
NAS system  
IT/Network Server  
Security Server

**Feature**

Best Proposal for On Line stand alone UPS  
True On-line Double Conversion Topology  
Advanced DSP Control Design  
0.9 Output Power Factor  
Wide Input Voltage Range  
Active Harmonic Current Control  
User Friendly LED or LCD Panel (Option)  
Multiple Operation Model  
Remote Emergency Power Off (REPO)  
Remote On/Off Control (ROO)  
Programmable Outlets (Option)  
Easy Firmware Flash Upgrade  
United Design of PCB Board for Tower and RT Convertible Models



**Rear Panel**



1K

2K

3K

# Specification

MODEL	TOWER	AE2 1K 230V		AE2 2K 230V		AE2 3K 230V
	RT	AE2 RT 1K 230V		AE2 RT 2K 230V		AE2 RT 3K 230V
INPUT	Phase	Single phase with ground				
	Voltage Range(VAC)**	110 / 150 / 180 ~ 300VAC (180-300 VAC: 0 ~ 100% Load / 150-180 VAC: 0 ~ 80% Load / 110-150 VAC: 0 ~ 60% Load)				
	Frequency Range(Hz)	44 ~ 66Hz (auto sensing)				
	Input Power Factor	≧ 0.98 @ nominal voltage 100% linear load				
OUTPUT	Capacity(VA/W)	1000 / 900		2000 / 1800		3000 / 2700
	Voltage(VAC)***	230VAC, adjustable to 200 / 208 / 220 / 230 / 240VAC (derated to 90% capacity for 200 / 208VAC)				
	Output Power Factor***	0.9				
	Output Voltage Distortion	≦ 3% @ 100% linear load				
		≧ 4% @ 100% PF=0.9 non-linear load				
		≧ 7% @ 100% PF=0.7 non-linear load				
	Output Voltage Regulation	± 1%				
	Frequency Range(Hz)	50 / 60Hz ± 1Hz or ± 3Hz (selectable)				
Crest Factor Ratio	3:1					
Output Waveform	Pure sine wave					
EFFICIENCY	Line Mode	Up to 91%				
	High Efficiency Mode	Up to 96%				
BATTERY	Battery Type	VRLA, sealed lead acid maintenance free				
	Capacity and Number	12V / 7Ah x 2	12V / 7Ah x 3	12V / 7Ah x 4	12V / 7Ah x 6	12V / 7Ah x 6
	Voltage(Vdc)	24	36	48	72	72
	Typical Charger Time	6 hours recover to 90% capacity				
Extend Battery Bank	Standard Model	NO	NO	NO	NO	NO
	Extend Backup Model PF0.9.0.8	+ 1xEBC (4x7Ah Battery)	+ 1xEBC (6x7Ah Battery)	+ 1xEBC (8x7Ah Battery)	+ 1xEBC (12x7Ah Battery)	+ 1xEBC (12x7Ah Battery)
	Extend Backup Model PF0.7	No limitation	No limitation	No limitation	No limitation	No limitation
Transfer Time	Line Mode to Backup Mode	0ms				
	Inverter to Bypass	4 ms (Typical)				
INDICATOR	LCD	Normal, Battery, Bypass, Self-Test, Battery Weak & Bad, Site Wiring Fault, Fault, Overload, and Load/Battery Level				
	LED (Option)	Optional				
	Self-Diagnostics	Upon Power-on, Front Panel Setting and Software Control, 24Hours Routine Check				
ALARM	Audible or Visual	Battery Mode, General Alarm, Overload, Fault				
PROTECTION	Full Protection	Short Circuit, ABDM, Over Temperature, EPO (Option)				
FUNCTION	Multi-Mode	Normal / ECO / CVCF				
	DC Start	Yes				
	Programmable Outlet (Option)	Support 2 outlets				
PHYSICAL (Tower)	Dimensions (WxHxD in mm/inch)	147 x 224 x 308 / 5.79 x 8.82 x 12.1	147 x 224 x 388 / 5.79 x 8.82 x 15.3	192 x 249.9 x 425.8 / 7.56 x 9.84 x 16.76		
	Net Weight (kgs/lbs)	8.85 / 19.51	10.95 / 24.14	16.2 / 37.71	20.4 / 44.79	22.8 / 50.26
PHYSICAL (RT)	Dimensions (WxHxD in mm/inch)	440 x 88 x 455 / 17.32 x 3.46 x 17.91		440 x 88 x 600 / 17.32 x 3.46 x 23.62		
	Net Weight (kgs/lbs)	10.7 / 23.6	12.8 / 28.21	18.2 / 40.12	22.4 / 49.38	24.8 / 54.67
ENVIRONMENT	Operation Temperature	0 ~ 40°C / 32 ~ 104°F				
	Storage Temperature	-10 ~ 50°C / 14 ~ 122°F				
	Operation Humidity	0 ~ 90%RH, non-condensing				
	Altitude	1000m / 3280ft without derating				
	Noise Level	≦ 45dBA @ 1 meter front		≦ 50dBA @ 1 meter front		
COMMUNICATION	Standard Type	RS-232, USB				
	LA Type	RS-232				
	Interface (Option)	EPO/ROO, 2nd RS-232, USB, RS485, Dry contact relay, SNMP/WEB card				
	Compatible Platforms	Microsoft Windows series, Linux, Mac, etc.				
STANDARDS & CERTIFICATIONS**	Safety	IEC EN 62040-1				
	EMC	IEC EN 62040-2, EN61000-3-2, EN61000-3-3				
	Marks	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.