

On Line Uninterruptible Power Supply

ARTon Alfa Plus Series 6-10 kVA



Specifications

- Output power factor: 1 "More Active Power"
- True double conversion online UPS technology
- High reliability with DSP processor control
- Excellent efficiency and output performance
- Wide input voltage range (110 V – 300 V)
- N+X parallel redundant (optional)
- Adjustable battery number (16~20)
- 50/60Hz frequency converter mode
- Energy saving with ECO mode
- Emergency power off function (EPO)
- High overload capacity, 110% for 10 min, 130% for 1 min
- Simultaneous use of USB and RS232 with smart SNMP
- High charging current, 8 Amps

Application Areas:



Finance



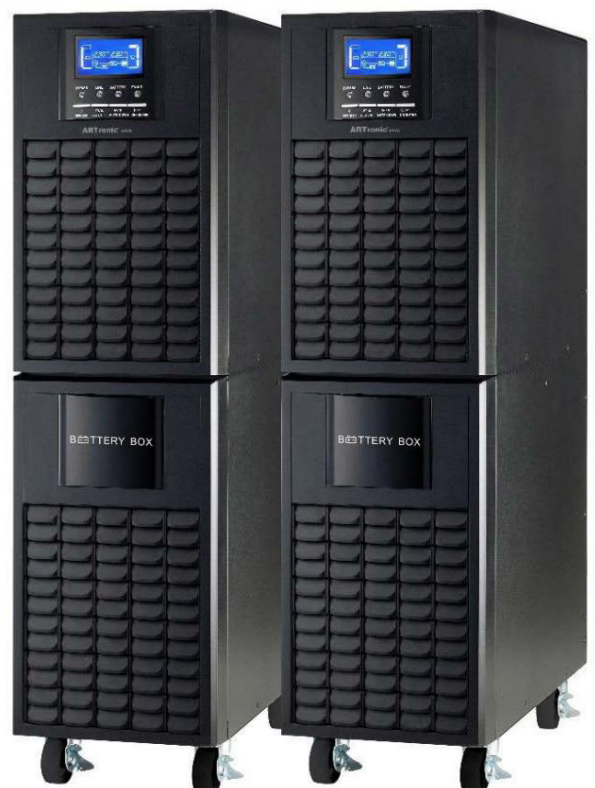
Medical



Industry



Information Technology



ARTon Alfa Plus Series 6-10 kVA Technical Specifications

MODEL		ARTon Alfa Plus 6 kVA	ARTon Alfa Plus 10 kVA
Connection Type		Single phase neutral and earth	
Capacity (VA/Watt)		6000 VA / 6000 W	10000 VA / 10000 W
INPUT			
Nominal Voltage		208 / 220 / 230 / 240 VAC (in converter mode, the capacity drops to 60% and the capacity drops to 90% for output voltage 200/208 VAC)	
Voltage Range		110-300 VAC @ (% 0-60) load, 140-300 VAC @ (% 60-80) load, 176-300 VAC @ (% 80-100) load	
Frequency Range		46-54 Hz @ 50Hz / 56-64 Hz @ 60Hz	
Power Factor		\bar{y} 0.99 at 100% load <	
Current THD %		4% at 100% load, < 6% at 50% load	
OUTPUT			
Output Voltage		208 / 220 / 230 / 240 VAC	
AC Voltage Regulation		\pm 1%	
Frequency Range		46-54 Hz @ 50Hz / 56-64 Hz @ 60Hz	
Frequency Range (Battery Mode)		50 Hz \pm 0.1 Hz or 60 Hz \pm 0.1 Hz	
Current Peak Rate		3:1	
Total Harmonic Distortion (THD)		1% THD (linear load), 4% THD (non-linear load)	
Transfer Time Inverter	AC to Battery	None	
	to Bypass	None	
	Output Waveform from	< 10 ms	
ECO Mode to Battery (Battery Mode)		Pure sine wave	
Overload	AC Mode	100% ~ 125%: 10 min., / 125% ~ 150%: 30 sec.	
	Battery Mode	100% ~ 110%: 3 min., 110% ~ 130%: 30 sec.	
EFFICIENCY			
AC Mode		94%	
Battery Mode		92%	
BATTERY			
Standard Model	Battery Type	12V / 7AH	12V / 9AH
	Number of	Standard 20 battery (Adjustable 16-20 batteries. When 16-19 batteries are used, the device output power will decrease according to the formula below. $P = \text{UPS nominal power} \times \text{number of batteries} / 20$)	
	Recharge Time	2-9 hours to reach 90% capacity	
	Charge Current	1.0 A (standard charging capacity adjustable up to 4.0A)	
	Charge Voltage	13.65 V/battery x battery number \pm 1%	
INDICATORS			
LCD		UPS status, load level, battery level, input/output voltage, discharge time indicator and error status	
LED		4 LEDs indicate UPS status, load level, battery level, overload and faults	
ALARM			
Battery Mode		Audible warning in 4 second periods	
Low Battery		Audio warning in 1 second periods	
Overload		2 audible warnings with 1 second intervals	
Bypass Mode		Audible warning in 2 second periods	
Fault		Continuous warning	
Physical Features			
Standard Model	Dimensions, W x H x D	190 x 688 x 442 (mm)	
Battery Powered	Weight (kg)	51.5	60
Working Environment			
Moisture		20 - 90% (non-condensing)	
Heat		0 ~ 40°C	
Sound Level		Less than 55dBA at 1 meter	Less than 58dBA at 1 meter
Working Height		If the UPS is to be installed or used at an altitude higher than 1000m, the output power should be reduced by 1% for every 100m.	
Communication			
Smart RS-232 or USB		Supports Windows® 2000/2003/XP/Vista/2008/7/8, Linux, Unix and MAC software	
SNMP (optional)		Power management from web page with SNMP	

*Product specifications are subject to change without further notice to third parties. © ARTronic Elektronik San. Müm. Tic. A.Ş.

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