

On Line Uninterruptible Power Supply

ARTon Alfa Series 1-2-3 kVA



Specifications

- **Output power factor 0.9**
- **True double-conversion**
- **Microprocessor control optimizes reliability**
- **Excellent efficiency and output performance**
- **Wide input voltage (110 V – 300 V)**
- Programmable outlets for power management
- 50 / 60Hz frequency converter mode
- ECO mode energy saving
- Emergency power off (EPO) function
- High overload capability
- Smart SNMP works well with either USB or RS-232 together



General Application Areas:



Finance



Medical



Home / Office

ARTon Alfa Series 1-2-3 kVA Technical Specifications

MODEL		ARTon Alfa 1 kVA	ARTon Alfa 2 kVA	ARTon Alfa 3 kVA
Phase		Single phase neutral and ground		
Capacity (VA/Watt)*		1000 VA / 900 Watt	2000 VA / 1800 Watt	3000 VA / 2700 Watt
Input				
Voltage Range		110-300 VAC \pm 3% at 50% load 160-300 VAC \pm 3% at 100% load		
Frequency Range		40Hz - 70 Hz		
Power Factor		\geq 0.99 @ nominal voltage (100% load)		
THDI %		\leq 5 %		
Output				
Output Voltage		200 / 208 / 220 / 230 / 240 VDC [Derate capacity to 80% of capacity in frequency converter mode or when the output voltage is adjusted to 200/208VAC]		
AC Voltage Regulation		\pm 1%		
Frequency Range (Synchronized Range)		47 - 53 Hz or 57 - 63 Hz		
Frequency Range (Batt. Mode)		50 Hz \pm 0.1 Hz or 60Hz \pm 0.1 Hz		
Current Crest Ratio		3:1		
Harmonic Distortion		\leq 2 % THD (linear load) \leq 4 % THD (non-linear load)		
Transfer Time	AC to Battery	$<$ 4 ms		
	Inverter to Bypass	$<$ 4 ms		
	ECO to Battery Mode	8 ms (Typical), 10 ms (max.)		
Waveform		Pure Sinewave		
Efficiency				
AC Mode		90 %	91 %	
Battery Mode		89 %		
Battery				
Standard Model	Battery Type	12 V / 9 AH		
	Numbers	3	6	8
	Recharge Time	4 hours recover to 90% capacity		
	Charging Current	1.5 A		1.2 A
	Charging Voltage	41.1 VDC \pm 1%	82.2 VDC \pm 1%	109.6 VDC \pm 1%
Long-run Model	Battery Type	Depending on the capacity of external batteries		
	Numbers	3	6	8
	Charging Current	1A / 2A / 4A / 6A / 8A [Adjustable through LCD panel]		1A/2A/4A/6.3A [Adjustable through LCD panel]
	Charging Voltage	41.1 VDC \pm 1%	82.2 VDC \pm 1%	109.6 VDC \pm 1%
Indicators				
LCD		UPS status, Load level, battery level, input/output voltage, discharge timer, and fault conditions		
Alarm				
Battery Mode		Sounding every 5 seconds		
Low Battery		Sounding every 2 seconds		
Overload		Sounding every seconds		
Bypass Mode		Sounding every 10 seconds		
Fault		Continuously sounding		
Physical				
Standard Model with Bat.	Dimension, D x W x H	397 x 145 x 220 [mm]	421 x 190 x 318 [mm]	
	Net Weight (kgs)	12.5	25.8	32.8
Long-run Model	Dimension, D x W x H	397 x 145 x 220 [mm]	421 x 190 x 318 [mm]	
	Net Weight (kgs)	5.8	12	13.2
Environment				
Humidity		20-90 % RH @ 0-45°C [non-condensing]		
Noise Level		Less than 50dBA @ 1 Meter with fan speed control		
Management				
Smart RS-232 or USB		Supports Windows® 2000/2003/XP/Vista/2008/7/8, Linux, Unix and MAC		
Optional SNMP		Power management from SNMP manager and web browser		

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

* Derate capacity to 80% of capacity in frequency converter mode or when the output voltage is adjusted to 200/208VAC.



ARTronic®

The art of electronics

Phone: +90 (216) 365 82 21 / Fax: +90 (216) 592 44 40

artronic@artronic.com.tr www.artronic.com.tr