

On Line Uninterruptible Power Supply

ARTon Pro Series 10-300 kVA



Specifications

- Microprocessor control guarantees high reliability, On Line UPS with sinusoidal pulse width modulation & IGBT technology
- Mains, load measurements and UPS status information with liquid crystal display, mimic LED panel and control buttons
- Standart static bypass & maual bypass (for service & maintenance) switch
- History log, communication with smart RS232 and SNMP support
- Temperature compensated charge and 12 pulse options
- Standard isolation transformer on inverter output

General Application Areas:



Finance



Medical



Industry



Home / Office



ARTon Pro Series 10-300 kVA Technical Specifications

MODEL	10	15	20	30	40	60	80	100	120	160	200	250	300	
Capacity (kVA / kW)	10 / 8	15 / 12	20 / 16	30 / 24	40 / 32	60 / 48	80 / 64	100 / 80	120 / 96	160 / 128	200 / 160	250 / 200	300 / 240	
Input - Rectifier														
Voltage & Voltage Range	220 / 380 VAC, 3 phase + neutral, $\pm 15\%$													
Current (max. for each phase)	20 A	29 A	40 A	58 A	80 A	116 A	160 A	200 A	240 A	318 A	400 A	500 A	596 A	
Starting Current	$\leq I_{nom}$													
Frequency & F.Tolerance	50 Hz $\pm 5\%$													
Output - Inverter & Bypass														
Power Factor	0,8													
Voltage & Voltage Tolerance	380 VAC, $\pm 1\%$													
Dynamic Response	at load change from 0 - 100% - 0, voltage decline $< \pm 5\%$													
Recovery Time	Compensation time of voltage is 35 miliseconds to reach static limits $\pm 1\%$													
Frequency & F.Tolerance	50 Hz, in Line Mode $\pm 2\%$ - in battery mode $\pm 0,2\%$													
Current	12 A	18 A	24 A	36 A	48 A	72 A	96 A	120 A	145 A	194 A	240 A	300 A	360 A	
Waveform	Sinus Wave													
Total Harmonic Distortion	Less than 3%													
Capacity for Non-Linear Load	Until 100% load													
Crest Factor	3:1													
Overload Capacity	at 100-125% load 10 min, at 125-150% load 1 minute, transfer to bypass after 150% load													
Short Circuit Proof	Electronic short circuit protection, short circuit current 150% x I_{no}													
Static & Service Bypass	Standard													
Bypass Voltage & Tolerance	380 VAC, $\pm 10\%$ / 3 phase + neutral													
Bypass Frequency	50 Hz													
Bypass Power (kVA)	10	15	20	30	40	60	80	100	120	160	200	250	300	
Bypass Overload Capacity	200%													
Transfer Time	Uninterruptible													
Battery														
Quantity & Type	30 pieces / maintenance free dry type battery											32 pieces		
Backup Time (Standard)	Designed according to request													
Flood & End of Discharge Voltage	405 VDC / 300 VDC											432 VDC / 326 VDC		
Battery Placement	External placement, battery racks or cabinet													
Battery Charge Current	Adjustable, 5-8 hours to 90% after discharge													
Environment Temp. (required)	17 °C - 25°C													
Battery Protection / Test	Battery circuit breaker / automatic or manual battery test function													
Indicators & Control Panel														
Type	2 Lines x 16 characters LC Display with backlight and LED mimic panel													
Control Panel	5 buttons													
Measurements & Indicators	Load %, input and output voltage, output frequency, bypass voltage, battery voltage, battery current, synchronization, all warning and status messages													
LED Mimic Panel	Line, rectifier, inverter, load, bypass, battery													
Indicator Language	Turkish and English													
Communication														
Interface & Protocol	Standard DB 9 (female) port, intelligent RS232 [standard], SNMP [optional]													
Software	Software support Windows 95/98/NT/2000/XP, Linux and Novell													
General														
Total Efficiency at 100% Load	> 90%					> 92%								
Noise Level	< 56 dBA					< 60 dBA		< 65 dBA			< 70 dBA			
EMC Emission	EN 50091-2													
Environmental	0°C - 40°C operating temperature, max. 20-90% relative humidity (non-condensed)													
Storage Temperature	-20°C - 70°C													
Protection Class	IP20													
Equipment Colour	RAL 7035													
Type of Cooling	Forced with fan													
Altitude	< 1000 meters [from sea level], @ nominal load													
Dimensions (mm), W x H x D	505 x 1150 x 655				575 x 1390 x 820		720x1450x820		1100 x 1650 x 800		1195 x 1730 x 870		1565 x 1880 x 925	
Weight - Without Battery (kg)	220	260		290	415	465	595	770	897	890	970	1328	1370	

*Product specifications are subject to change without further notice to third parties. © 2007 ARTronic Elektronik San. Mum. Tic. A.Ş.

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Phone: +90 (216) 365 82 21 / Fax: +90 (216) 592 44 40
 artronic@artronic.com.tr www.artronic.com.tr