

ARTronic® UPS

On Line Uninterruptible Power Supply ARTon Neo Series 200 - 500 kVA



Specifications

- Low input current total harmonic distortion (THDI) High input power factor
- High efficiency up to 94% Cold start function
- Static and maintenance by-pass switch Output short circuit and overload protection External REPO switch input
- 512 events memory (46000 alarms)
- Automatic battery test, remaining battery time indicator
- Temperature compensated charge system
- Regenerative backfeed function
- 2 RS232 serial ports and 12 dry contact outputs
- 3 DSP controlled modular structure
- Full digital structure Small footprint
- Economode operation
- Parallel Operation (Optional) up to 8 pcs.

General Application Areas:



Finance



Medical



Industry



Datacenter



Energy



Construction



ARTon Neo Series 200 - 500 kVA Technical Specifications

MODEL	ARTon NEO 200 kVA	ARTon Neo 250 kVA	ARTon Neo 300 kVA	ARTon Neo 400 kVA	ARTon Neo 500 kVA
Power (kVA)	200	250	300	400	500
Input					
Voltage	380/400/415 VAC 3 phases + N, $\pm 20\%$ (415 VAC + 15%- 25%)				
Frequency	50 Hz / 60 Hz selectable, ± 5 Hz				
Power Factor	$> 0,99$				
Harmonic Current Distortion	$< 5\%$ ($< 3\%$ optional)				
Protection	Fuses, voltage tolerance, frequency tolerance, input power limit, input PFC				
By-pass Voltage	380/400/415 VAC 3 phases + N, $\pm 10\%$				
By-pass Protection	Short circuit, voltage tolerance, frequency tolerance, VAT transfer				
Output					
Power Factor	0,9				0,8
Power (kw)	180	225	270	360	400
Voltage	380/400/415 VAC 3 phases + N, $\pm 1\%$				
Frequency	50 or 60Hz (selectable)				
Frequency Tolerance	line synchronized: $\pm 2\%$ / Free running: $\pm 0,1\%$ (adjustable)				
Efficiency	up to 94%				
Crest Factor	3:1				
Overload Protection	100-125% for 10min, 125-150% for 1min, $>150\%$ load: by-pass				
Other Protections	Advanced short circuit, voltage tolerance, DC balance, regenerative load, current limiting				
THD (at 100% linear load)	$< 3\%$				
Batteries					
Type	Lead Acid Maintenance Free Battery				
Nominal Voltage	± 360 VDC (2x30 batteries)				
Float / End of Discharge Voltage	± 405 VDC / ± 300 VDC				
Battery Housing	Battery rack or cabinet				
Battery Ambient temp. C°	25°C				
Protections	3 level alarm, battery fuses, charging current limit, temperature compensation (opt.)				
Automatic Testing	Standard every 72 hours (adjustable)				
General					
Standards	EMC (2004/108/EC) / LVD (2006/95/EC) - EN62040-1, EN62040-2, EN60950				
Use Interface	4 lines LCD panel, mimic leds, 5 vektor buttons, buzzer, optional graphical touch panel				
Indicators	P-N voltage, P-P voltage, current, power, crest factor, frequency, PF, service time				
Advanced	Self diagnostics, 4 maintenance time indicators, calibration over RS232				
Communications	2xRS232 serial ports, 4 standard and 8 optional DRY contact alarm relays				
Inputs	EPO input, interface battery panel input genset input				
Genset Kit	Standard (programmable)				
Software	Standard T-Mon UPS Management software (3 clients + 1 server management)				
Alarm Logging	Standard; with time&date 192 events, (optional 512 events)				
Protections	Power module over-temperature, over current, temperature high alarm				
Temperature Range	0°C - 40°C				
Protection Degree	IP20 (other on request)				
Humidity/Altitude	90% max (noncondensed) / < 1000 m above sea level				
Acoustic Noise	≤ 68 dBA		≤ 72 dBA		
Weight (kg)	482	550	638	737	780
Dimensions (mm) H x W x D	1900 x 880 x 775		1900 x 1250 x 775		2040 x 1250 x 840
Options					
Input/Output Voltage	110/208 VAC (up to 200 kVA)				
Trasformer	Galvanic isolation transformer at the input & output				
Software	T-Mon admin multi UPS monitoring, T-Mon server 50-100-200 clients, DLOG log loader				
Comm. Adaptors	SNMP, MODBUS, RS485, Remote Panel				
Parallel Operation	Up to 8 UPS				

*Product specifications are subject to change without further notice to third parties: © ARTronic Elektronik San· Müm· Tic·A·S·

ARTronic®

The art of electronics

Tel: +90 (216) 365 82 21 / Faks: +90 (216) 592 44 40

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