

ARTronic® UPS

On Line Uninterruptible Converter

ARTon Pro Series Converter 10 - 120 kVA

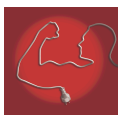


ARTon Pro Converter Series are manufactured with the state of the art, PWM and IGBT technology, producing microprocessor controlled pure sinewave output to critical loads. Converter systems supply and protect large sized networks, communication systems, scientific computer systems, intelligent engineering measuring devices and industrial automation systems.

- True double-conversion and PWM technology
- Inverter stage output Galvanic isolation transformer included
- Up to 91% efficiency
- Parallel mode operation (optional) (hot standby, redundant, symmetric parallel)
- Pure sinewave output
- Optional Static by-pass providing Uninterrupted transfer of the load to the spare source in case of overload or converter fault.
- Optional Static (STS) and Maintenance by-pass (for complete isolation of the Converter during maintenance)
- LCD panel providing accurate detailed information about the Load, Batteries and Converter with advanced diagnostics.
- 3 Microprocessors ;
 - Main control board
 - Rectifier board
 - Optional parallel control board
- Real time clock and calendar indicator
- 64 Recorded real-time events history
- RS232 and dry contacts for communication and remote monitoring
- Input/output customization available
- Compatible with international standards
- 1 year full warranty
- Warranty of 10 years for spare parts supply
- Experienced technical service and customer support
- Designed and manufactured under ISO9001 certification

OPTIONALS :

- Increased Power with parallel operation
- Increased reliability with 1+1 redundant operation
- Additional battery modules for extension of autonomy
- Management and System shutdown software compatible with most popular operating systems (Win95/98/2000/NT) Wide Area Network management via SNMP.
- Remote monitoring panel RM-2000
- Multiserver shutdown units US-4, US -8
- RS485 interface RSC-24



Our work is power !



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Technical Specifications for ARTon Pro Series Converter

MODEL	10C	15C	20C	30C	40C	60C	80C	100C	120C
Output kVA	10	15	20	30	40	60	80	100	150
Output kW	8	12	16	24	32	48	64	80	120
Power factor	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
INPUT									
Voltage	230/400 VAC or 220/380VAC 3phase ,4Wires,+ ground								
Tolerance	+/- -15%								
By-pass Voltage (Optional)	120/208 VAC 60Hz.3phase +/-10%								
Input frequency	50 Hz. +/- 5%								
Power factor	0,8								
Max. RFI	EN 50091-2 class A								
OUTPUT									
Voltage	120/208 VAC 3phase ,4Wires,+ ground								
Voltage stability	static (balanced load) +/- 2%								
	static (unbalanced load) +/- 4%								
	dynamic (step load 0-100%) +/- 6%								
Output Voltage recovery time	after step load 0-100% max. 20ms.								
Frequency	60 Hz.								
Frequency tolerance	Line synchronized +/- 1% (optional with split by-pass source)								
	free running +/- 0,2%								
Efficiency at 100% load	>87-91%								
Crest factor (at 75% of NP)	3:1								
Short Circuit protection	Electronic short circuit protection								
Over load capacity	100%-125 load 10 min. 125% - 150% 1 min. >150% by-pass								
Total Harmonic distortion (THD)	Linear Load < 3%								
	Non linear load (75%NP and CF 3:1) <5%								
BATTERIES (Optional)									
Type	Maintenance free								
Number of	30								
Float Charging Voltage	405								
End of discharge voltage	300 VDC								
Battery charging characteristics	IU(DIN41773)								
Battery Ambient Temperature °C	25°C								
Battery protection	circuit breaker								
Battery Test	automatic battery test once a week								
GENERAL									
Serial communication	dry contacts plus RS232								
Software	T-Mon standard / SNMP module optional								
Protection degree	IP20								
Ambient temp.(operating)	0°C to 40°C								
Ambient temp.(storage)	-20°C to 60°C								
Ventilation	Forced air cooling								
Altitude	<1000 m. (above sea level)								
Relative humidity	90% max (non condensed)								
Acoustic noise	<56dbA	<56dbA	<56dbA	<56dbA	<56dbA	<60dbA	<60dbA	<65dbA	<65dbA
Weight	235	250	270	322	484	562	620	810	920
Dimensions (mm.) HxWxD	1145x485x 675	1145x485x 675	1145x485x 675	1145x485x 675	1400x710x 800	1400x710x 800	1400x710x 800	1600x1100x 800	1600x1100x 800

*Product specifications are subject to change without further notice to third parties. © 2007 ARTronic Elektronik San. Müm. Tic. Ltd. Şti.

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