

RELIABILITY



ATLAS, THE POWERTRONIX MEDIUM SIZE UPS SERIES, WHICH **HAS TRUE ON-LINE DOUBLE CONVERSION TOPOLOGY, HIGH FREQUENCY PWM TECHNOLOGY, DIGITAL CONTROL, LOW NOISE LEVEL, HIGH EFFICIENCY** AND UPGRADED MAN-MACHINE INTERFACE, IS AVAILABLE IN THREE DIFFERENT RATINGS (80 kVA, 100 kVA AND 120 kVA).

THIS UPS IS COVERED BY **TWO PATENTS** (Nr. 002509 "DOUBLE VOLTAGE BOOSTER DC/DC CONVERTER FOR HIGH POWER ELECTRONIC SUPPLIES" AND Nr. 002510 "SATURABLE REACTOR WITH FERRITE CORE"). A FURTHER PATENT Nr. 002588 COVERS THE "RADIO FREQUENCY SUPPRESSION ELECTRONIC FILTER".

THE MAIN TECHNICAL CHARACTERISTICS ARE **PURE OUTPUT SINWAVE, COLD START, ZERO TIME TRANSFER, IGBT POWER MODULES, DIGITAL CONTROL, BATTERY MANAGEMENT, STORING OF EVENTS, SELF-DIAGNOSTICS AND SMALL FOOTPRINT.**

UP TO EIGHT SYSTEMS CAN BE INSTALLED IN PARALLEL CONNECTION WITH DISTRIBUTED BY-PASS. AN INNOVATIVE 12 PULSE CONFIGURATION LIMITS THE **INPUT TOTAL HARMONIC DISTORTION TO LESS THAN 5%.**

ALL THESE ARE CHARACTERISTICS THAT ALLOW US TO CONFIRM THAT THE ATLAS UPS SYSTEMS ARE AN EXPERT SOLUTION FOR ANY TYPE OF POWER SUPPLY REQUIREMENT.

APPLICATIONS

- MEDICAL CENTERS
- BROADCASTING STATIONS
- TECHNICAL AND ADMINISTRATIVE OFFICES
- SUBWAYS
- MOTORWAY TUNNELS
- LABORATORIES
- BANKS
- PRODUCTION LINES
- AIRPORTS
- POLICE STATIONS

ACCESSORIES AND FEATURES:

EMERGENCY POWER OFF (EPO)
 RELAY CARD FREE CONTACTS
 RS232 FOR REMOTE CONTROL
 POWER SAVE OPERATION MODE
 FREQUENCY CONVERTER 50/60 HZ OR 60/50 HZ OPERATION MODE
 FRONT ACCESS
 SELF DIAGNOSTIC

OPTIONS:

Management Software
 SNMP Adapter
 Teleservice
 Remote Panel
 Isolation transformer
 Backfeed protection system
 Extra relay card
 Protection degree IP31

TECHNICAL DATA
ATLAS

NOMINAL POWER (kVA)	80	100	120
ACTIVE POWER (kW)	64	80	100
TECHNOLOGY	ON LINE, DOUBLE CONVERSION		

INPUT

NOMINAL VOLTAGE	380/400/415 VAC THREE PHASE + N
VOLTAGE RANGE	330 TO 480 VAC
NOMINAL FREQUENCY	50/60 HZ
POWER FACTOR	> 0.95 (> 0.99*)

OUTPUT

NOMINAL VOLTAGE	380/400/415 VAC THREE PHASE + N
VOLTAGE STABILITY	±1%
NOMINAL FREQUENCY	50/60 HZ
POWER FACTOR	0.8
FULL LOAD EFFICIENCY	FINO AL 95%

GENERAL DATA

MECHANICAL DIMENSION	700 x 730 x 1800 mm (W x L x H)
IP PROTECTION RATING	IP20 (UPGRADABLE TO IP31)
NOISE	< 65 dB (A)
OPERATING TEMP. RANGE	0÷40 °C
BATTERY TEMP. RANGE	AS SUGGESTED BY THE BATTERY MANUFACTURER (18÷25 °C)
RELATIVE HUMIDITY	< 95% NOT CONDENSING
COLOUR	GREY RAL 7035 (BLACK RAL 7016 ON REQUEST)
COMPLIANCE	EN62040-1, EN62040-2, EN62040-3

(*) WITH 12 PULSE VERSION + INTEGRATED FILTER OPTIONS