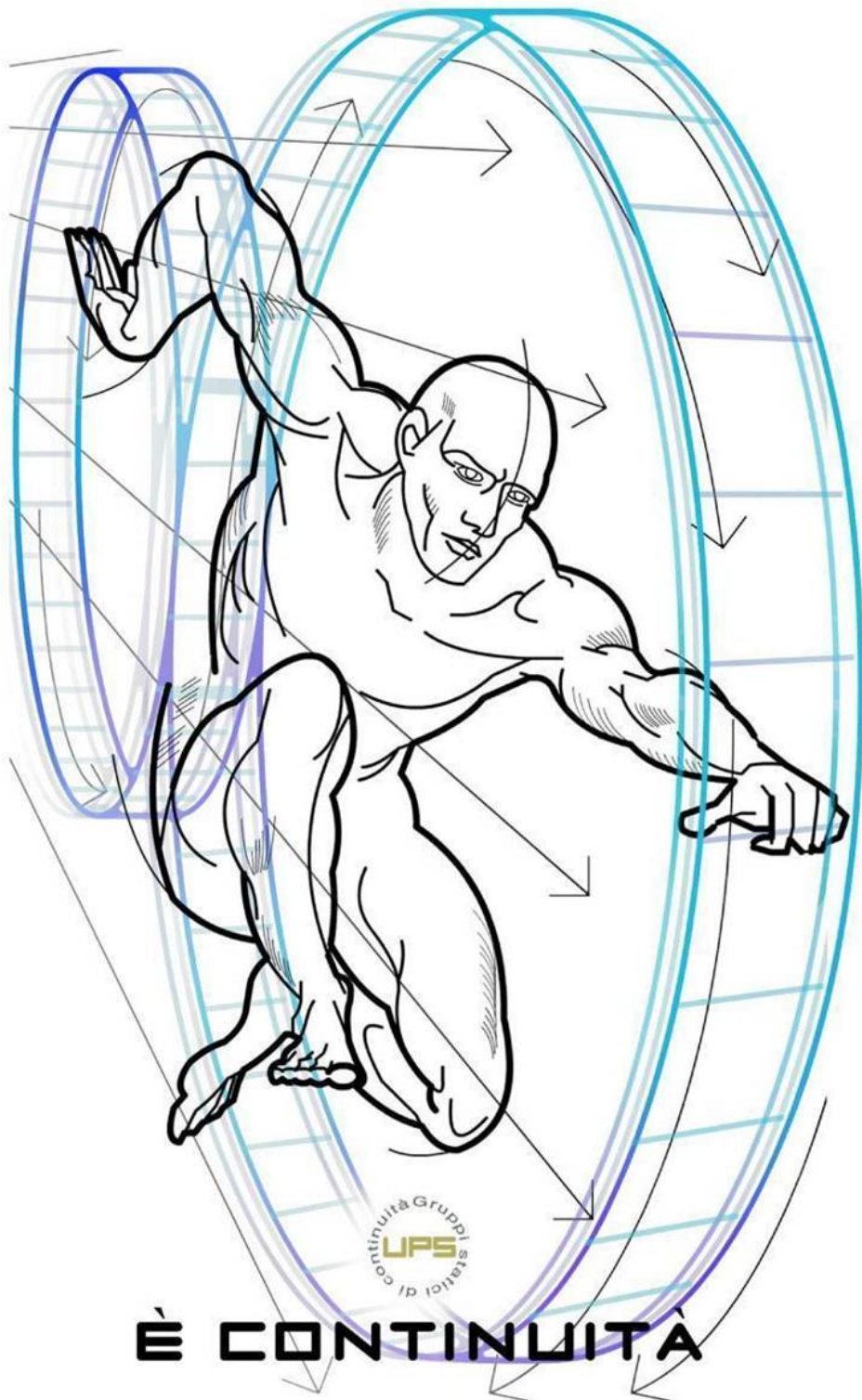




POWERTRONIX

Uninterruptible Power Supply



È CONTINUITÀ

Single phase UPS | **POWERTRONIX**



Powertronix **Antares Pro** is a professional and versatile UPS solution with true online double conversion technology for maximum power protection and power quality with a clean sine wave output for almost all single-phase applications.

UPS can accept wide input voltage for harsh environment and provides powerful and overall protection to your sensitive devices, such as servers, network/telephone communication systems as well as for industrial applications.

Antares Pro is ideal for business-critical applications, compatible with generators and with SNMP card for IT and remote monitoring.

Rated for 220/230/240V_{AC} models feature capacities of 1kVA, 2kVA, 3kVA, 6kVA and 10kVA, tower or rack/tower.





SNMP card, Modbus card, AS400 card work as an enhanced communication solution for **Antares Pro** UPS monitoring and management.

Powertronix SNMP Network Solution provides information on events concerning the supply of power to the computers connected to your network, carries out automatic shutdown of computer systems, monitors and controls all the UPSs connected to the network. Periodically accesses the information concerning the UPS, makes this information available to the connected applications (Intelligent Power Protector, Web Browser, Intelligent Power Manager, Network Management Systems) and sends notifications on certain events. Additional Environment Monitoring Device allows detection for environment temperature and humidity.

Modbus card is a communication accessory that provides a pair of RJ-45 interface for remote monitoring and controlling of UPSs. Card implements Modbus RTU protocol to interface via RS485 to PC or any Building Management System.

AS400 card provides potential free contacts to remotely monitoring UPS and to interface with PLC or signal control panel. Information delivered are UPS failure, Alarm, Main Fail, Bypass, Battery Low, UPS On.

Antares Pro UPS, any model and rating, is equipped with one intelligent slot to fit SNMP card, Modbus card or AS400 card. In the remote possibility you may concurrently need to install two interfaces, combined external solution available.

Product code

VN-AS400 for AS400 card / VN-SNMP for SNMP card / S806S400 for SNMP - AS400 card combined solution
VN-MBus for Modbus card / VN-EMD for Environment Monitoring Device



Antares Pro VNBB and **VRBB** battery cabinets are the ideal choice to optimize any your UPS system installation, while offering flexibility in allowing customized options, enabling you to design the perfect system for your particular application. Cabinet robust design optimizes the overall footprint and provide compatibility with a wide range of battery configurations to meet application runtime needs.



Complete, pre-packaged battery cabinet systems are available, with battery breaker or fuse, wiring and batteries – all installed and ready to connect to UPS upon installation.

Batteries are tested to assure system integrity and anchored to prevent damage in transit.

Mechanical robustness, approved electrical disconnects and high quality batteries all combine to provide an easily installed complete battery system with the finished appearance of a UPS cabinet.

VNBB tower cabinet models range from 4pcs to 40pcs built in battery blocks possible installation.

VRBB rack tower cabinet model is ready for installing up to 20pcs 12V battery (7.2Ah or 9Ah).

UPS to VNBB cabinet standard cable length:
54cm for VNBB0001-xxxx and VNBB0203-xxxx cabinet models
154cm for VNBB06010-32xx



PTX R-ATS is automatic transfer switch designed to supply the load from a primary power source, ready to switch to secondary source, should primary power source fail. After switching to a secondary power source, the ATS can also switch power back to primary input when primary input restored.

Rated for 16A (220/230/240V) - 1U 330x483x44 mm 5kg

Product code

VRASS16IECPRO for PTXR-ATS 16A rack ATS / VRSNMPATS for SNMP card per PTX R-ATS



PTX R-MB is perfect external maintenance bypass switch for rackmounted series UPS. Ready to use in any standard 19" frame to provide continuous power, as an external power distribution unit, during UPS maintenance.

The unit allows manual transfer of the connected loads to utility power via a bypass switch.

Rated for 220/230/240V 16A (495x80x50mm 1.5kg) or 63A (438x158x86mm 3kg).

Product code

VRBP16IEC for PTX R-MB 16A with IEC outlet / VRBP63TRM for PTX R-MB 63A with terminal blocks



PTX R-PDU is complete power distribution unit designed to distribute AC power from a single source to 8x IEC C13 outputs with advanced load monitoring and local or remote ON/OFF switching control of individual outlets.

1U rack installation, complete with RS-232/USB and optional intelligent slot for SNMP web adapter. Rated for 220/230/240V 16A - 250x430x44mm 3.5kg

Product code

VRBPDU16 for PTX R-PDU / VRPDUSNMP for SNMP card per PTX R-PDU



Rack rails are available and used to mount equipment and accessories within 19-inch racks server cabinets.

Server rails are essential for mounting your UPS or cabinet and holding it in position, whilst providing accessibility for maintenance.

Product code

VRSL090120 for Rack rails kit 48÷90cm 120kg max

UPS Technical details

UPS topology VFI On-Line Double Conversion - Pure sinewave single phase output

Input nominal voltage Single phase 220/230/240VAC

Input voltage tolerance 110 ÷ 300 V 50%load — 160 ÷ 280 V 100%load

Input nominal frequency 50/60Hz

Input frequency tolerance 40 ÷ 70 Hz

Input power factor ≥0.99

Input THDi THDi ≤3%

Output nominal voltage Single phase 220/230/240VAC

Output nominal frequency 50/60Hz ±0.1% stability

Output power factor 0.9

Output THDv ≤ 3% with linear load & ≤ 5% with non linear load

Overload 110% for 10 minutes - 125% for 1 minute - 130% for 5 seconds

Battery type (factory standard) VRLA AGM 12V 7.2Ah or 12V 9Ah - EUROBAT Standard commercial

Typical recharge time 4 hours

Battery maximum charging current 2A (adjustable) for 1÷3kVA models - 4A (adjustable) for 6÷10kVA models

Battery charging voltage (per element) 13.5VDC

Communication USB - RS232 - smart slot for optional SNMP or AS400 card or Modbus card

UPS code	UPS model	Nominal	Active Power	Efficiency	Noise level	Battery	UPS Outlet
VNOL01-17(19)	Antares Pro tower	1.000 VA	900 W	90.5%	<50dB	24VDC	2x Schuko
VNOL02-17(19)	Antares Pro tower	2.000 VA	1.800 W	91.6%	<50dB	48VDC	2x Schuko
VNOL03-17(19)	Antares Pro tower	3.000 VA	2.700 W	92.4%	<50dB	72VDC	3x Schuko + terminal
VNOL06-17(19)	Antares Pro tower	6.000 VA	5.400 W	94.0%	<55dB	192VDC	terminal
VNOL10-17(19)	Antares Pro tower	10.000 VA	9.000 W	94.2%	<55dB	192VDC	terminal
VROL01-17(19)	Antares Pro rack	1.000 VA	900 W	90.5%	<50dB	24VDC	2x Schuko
VROL02-17(19)	Antares Pro rack	2.000 VA	1.800 W	91.6%	<50dB	48VDC	2x Schuko
VROL03-17(19)	Antares Pro rack	3.000 VA	2.700 W	92.6%	<50dB	72VDC	3x Schuko
VROL06-00	Antares Pro rack	6.000 VA	5.400 W	94.4%	<55dB	192÷240VDC	terminal
VROL10-00	Antares Pro rack	10.000 VA	9.000 W	94.4%	<55dB	192÷240VDC	terminal

European Directives: LC 2014/35/EU low voltage Directive EMC 2014/30/EU electromagnetic compatibility Directive

Standards: Safety IEC EN 62040-1:2008+A1:2013 EMC IEC EN 62040-2 C2 Classification IEC 62040-3 VFI - SS - 111

UPS and cabinet: Metal case IP20 - Indoor ambient 0÷40°C, up to 95% humidity (non condensing) - 1.000m asl no derating

While every precaution has been taken to ensure accuracy and completeness herein, Powertronix assumes no responsibility, and disclaims all liability, for damages resulting from use of this information or for any errors or omissions. Specifications subject to be changed without notice.

UPS model	AGM Built in Battery	Mechanical details (net - gross)	
VNOL01-17	2pcs 12V 7.2Ah	145x282x220(h)mm 9kg - 230x360x325(h)mm 10kg	
VNOL01-19	2pcs 12V 9Ah	145x282x220(h)mm 10kg - 230x360x325(h)mm 11kg	
VNOL02-17	4pcs 12V 7.2Ah	145x397x220(h)mm 16kg - 230x472x325(h)mm 18kg	
VNOL02-19	4pcs 12V 9Ah	145x397x220(h)mm 18kg - 230x472x325(h)mm 20kg	
VNOL03-17	6pcs 12V 7.2Ah	190x421x318(h)mm 23kg - 320x560x460(h)mm 25kg	
VNOL03-19	6pcs 12V 9Ah	190x421x318(h)mm 26kg - 320x560x460(h)mm 28kg	
VNOL06-17	16pcs 12V 7.2Ah	190x369x688(h)mm 53kg - 280x570x785(h) mm 59kg	
VNOL06-19	16pcs 12V 9Ah	190x369x688(h)mm 61kg - 280x570x785(h) mm 67kg	
VNOL10-17	16pcs 12V 7.2Ah	190x442x688(h)mm 58kg - 310x570x785(h) mm 64kg	
VNOL10-19	16pcs 12V 9Ah	190x442x688(h)mm 66kg - 310x570x785(h) mm 72kg	
VROL01-17	2pcs 12V 7.2Ah	438x310x88(h)mm 10kg - 400x500x180(h)mm 12kg	
VROL01-19	2pcs 12V 9Ah	438x310x88(h)mm 11kg - 400x500x180(h)mm 13kg	
VROL02-17	4pcs 12V 7.2Ah	438x410x88(h)mm 16kg - 500x560x180(h)mm 18kg	
VROL02-19	4pcs 12V 9Ah	438x410x88(h)mm 18kg - 500x560x180(h)mm 20kg	
VROL03-17	6pcs 12V 7.2Ah	438x630x88(h)mm 26kg - 565x700x240(h)mm 29kg	
VROL03-19	6pcs 12V 9Ah	438x630x88(h)mm 29kg - 565x700x240(h)mm 32kg	
VROLO6-00	External battery	438x600x88(h)mm 17kg - 565x700x240(h)mm 19kg	
VROL10-00	External battery	438x600x88(h)mm 20kg - 565x700x240(h)mm 23kg	
Cabinet model code	VRLA AGM Battery	Mechanical details (net - gross)	Compatible UPS model
VNBB0001-0407	2x 2pcs 12V 7.2Ah	145x397x220(h)mm 12kg - 230x472x325(h)mm 14kg	For UPS VNOL01-17
VNBB0001-0409	2x 2pcs 12V 9Ah	145x397x220(h)mm 14kg - 230x472x325(h)mm 16kg	For UPS VNOL01-19
VNBB0203-0807	2x 4pcs 12V 7.2Ah	190x421x318(h)mm 30kg - 320x560x460(h)mm 32kg	For UPS VNOL02-17
VNBB0203-0809	2x 4pcs 12V 9Ah	190x421x318(h)mm 34kg - 320x560x460(h)mm 36kg	For UPS VNOL02-19
VNBB0203-1207	2x 6pcs 12V 7.2Ah	190x421x318(h)mm 34kg - 320x560x460(h)mm 36kg	For UPS VNOL03-17
VNBB0203-1209	2x 6pcs 12V 9Ah	190x421x318(h)mm 40kg - 320x560x460(h)mm 42kg	For UPS VNOL03-19
VNBB0610-3200	No blocks (up to 40pcs)	190x442x688(h)mm 24kg - 320x560x910(h)mm 28kg	For UPS VNOL06(10)
VNBB0610-3207	2x 16pcs 12V 7.2Ah	190x442x688(h)mm 90kg - 320x560x910(h)mm 94kg	For UPS VNOL06(10)-17
VNBB0610-3209	2x 16pcs 12V 9Ah	190x442x688(h)mm 106kg - 320x560x910(h) mm 110kg	For UPS VNOL06(10)-19
VRBB0110-2000	No blocks (up to 20pcs)	438x580x133(3U) 18kg - 580x870x250(h)mm 22kg	For UPS VROL01 to VROL10
VRBB0110-1207	12 6pcs 12V 7.2Ah	438x580x133(3U) 36kg - 580x870x250(h)mm 40kg	For UPS VROL02(03)-17
VRBB0110-1209	12 6pcs 12V 9Ah	438x580x133(3U) 42kg - 580x870x250(h)mm 46kg	For UPS VROL02(03)-19
VRBB0110-1607	16pcs 12V 7.2Ah	438x580x133(3U) 54kg - 580x870x250(h)mm 58kg	For UPS VROL06(10)-00
VRBB0110-1609	16pcs 12V 9Ah	438x580x133(3U) 62kg - 580x870x250(h)mm 66kg	For UPS VROL06(10)-00
VRBB0110-2007	20pcs 12V 7.2Ah	438x580x133(3U) 62kg - 580x870x250(h)mm 66kg	For UPS VROL06(10)-00
VRBB0110-2009	20pcs 12V 9Ah	438x580x133(3U) 70kg - 580x870x250(h)mm 74kg	For UPS VROL06(10)-00

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