

# ANTARES PRO

**Antares Pro RT is a high-quality UPS with online double conversion and with pure sine-wave output. Flexible, easy, user friendly is suitable for any environments. It provides full protection for sensitive single-phase devices in most of applications.**

**POWERTRONIX's QUALITY CERTIFIED!**



The ANTARES PRO UPS series by Powertronix is crafted for customers needing **uncompromising professional protection**. It integrates seamlessly into existing infrastructures, **ensuring continuity** for single-phase devices in sectors ranging from industry to office, including CPSS applications. Offering the **best quality-to-price ratio** in the single-phase systems market, it features **easy installation** and **high reliability**. With On-Line Double Conversion VFI technology, it provides top-tier **protection for critical loads**.

**TYPICAL APPLICATION:**

- Offices/ PC's /Printers;
- Small IT Networks;
- Servers/ Datacenter;
- Analysis equipment;
- TV and Radio Studios;
- Access & Presence;
- Laboratories;

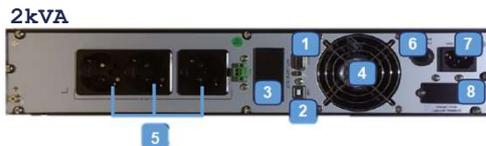
**SPECIAL APPLICATION:**

- CEI-016
- EN-50171

VFI-SS-111	1-1	1kVA-10kVA
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# Antares Pro – R/T

UPS MODEL	ANTARES PRO- RACK/TOWER				
UPS NOMINAL RATING	1kVA	2kVA	3kVA	6kVA	10kVA
UPS ACTIVE POWER	900W	1800W	2700W	6000W	10000W
UPS REFERENCE	VROLO1	VROLO2	VROLO3	VRGLO6	VRGL10



## Input:

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:

OUTPUT NOMINAL VOLTAGE	Single phase 208/ 220/230/240VAC
OUTPUT POWER FACTOR	0.9 ( pf 1 for 6-10kVA)
OUTPUT THDV	≤ 2% with linear load & ≤ 3,5 % with non linear load
OVERLOAD	110% for 10 minutes - 125% for 1 minute - 130% for 5 seconds
OUTPUT NOMINAL FREQUENCY	50/60Hz ±0.1% stability

## Bypass:

BYPASS V&F	Single phase 220/230/240VAC- 50/60 Hz
BYPASS VOLTAGE TOLERANCE	Factory setting ±10%

## Battery:

INTERNAL BATTERY	2	4	6	//	//
EXTENDED AUTONOMY	yes, with external battery cabinet				
EXTERNAL BATTERY CABINET	On request			VRBB0610	
CHARGING	13,5V block @ up to 4 Amps / from 2 to 8 hours @ 90%				
BATTERY COMPATIBILITY	VRLA-AGM / VRLA-GEL 7.2Ah or 9Ah				

## Environment:

DIMENSION (DxWxH)	438 x 310 x 2RU	438x 410 x 2RU	438x 630 x 2RU	438x 530 x 2RU	438x 530 x 2RU
WEIGHT (Kg-7/9aH)	12/13	20/22	28/31	17(NO BLOCKS)	20 (NO BLOCKS)
OUTPUT-PLUGS	3 x schuko	3 x schuko	2 x schuko	Terminals	Terminals
TEMPERATURE & RH%	0÷40°C – RH% up to 95% non-condensing - 2.000m slm				
NOISE (dba@1Mt)	< 55 ( <40 Eco mode)		< 55 ( <40 Eco mode)		
EXT-INTERFACES	USB / RS232 via DB9 and contacts / Slot for communications interface				
PARALLEL UNITS	NA		YES		

## Others:

EUROPEAN DIRECTIVES	LV 2014/35/EU Low Voltage Directive EMC 2014/30/EU Electromagnetic Compatibility Directive / CE marks
STANDARDS	Safety IEC EN 62040-1;IEC EN 62040-2 EMC;RoHS Compliance; IEC EN 62040-3 ( Voltage and Frequency Independent)VFI-SS-111

- 1 RS232- interface
- 2 USB INTERFACE
- 3 SMART SLOT
- 4 FANS
- 5 OUTPUT SOCKET
- 6 INPUT FUSE PROTECTION
- 7 INPUT PLUG
- 8 EXT BATTERY CONNECTION
- 9 EPO CONTACT

# Antares Pro – R/T

## Accessories:

### ➤ + EXT BYPASS 3k ➤ + EXT BYPASS 10k ➤ + SMART-PDU

The **VRBP16-IEC** serves as an external **Power Distribution Unit (PDU)** and **external bypass** when used with ANTARES Pro R/T systems. It enables manual transfer of connected equipment to utility power via a bypass switch, allowing maintenance or complete replacement of the UPS or its battery without interrupting power. This space-saving solution combines PDU functionality with master/slave outputs and maintenance bypass capabilities.

Suitable for **19" standard** IT racks  
**DIMENSIONS:** 438x80x44mm (1RU)  
**WEIGHT:** 1.5kg  
**NOMINAL RATING:** 16A / 208 ÷ 240Vac



Powertronix **VRBP63-TRM** is an external maintenance bypass unit designed to manually transferring the connected equipment to utility power via a **bypass switch**.

Rated up to 63A, it enables manual transfer of connected equipment to utility power via a bypass switch, allowing maintenance or complete replacement of the UPS or its battery without interrupting power to your load.

Suitable for **19" standard** IT racks  
**DIMENSIONS:** 438x158x88mm (2RU)  
**WEIGHT:** 3 kg  
**NOMINAL RATING:** 63A / 208 ÷ 240Vac



Powertronix VR-PDU is a professional power distribution unit ideal for any UPS up to 3000W, is designed to distribute AC power from one single source to up to 8 IEC c13 outputs. The unit improves advanced load monitoring, local or remote ON/OFF switching control of each single outlet, real time current and active power measurements. Thanks to dedicated SNMP card (VRPDUSNMP) loads and PDU can be remotely controlled.

Suitable for **19" standard** IT racks  
**DIMENSIONS:** 438x250x44mm (1RU)  
**WEIGHT:** 3.5 kg  
**NOMINAL RATING:** 16A / 208 ÷ 240Vac



### ➤ + 1+1 REDUNDANCY 3k ➤ + AUTO TRANSFER SWITCH

The **VRASS 16IEC** enable the possibility to put into 1+1 redundancy ,up to 3000W, is required. Such systems is needed when **utmost redundancy** shall be granted to particular load when multiple shortages might put under stress the autonomy and reliability of your UPS. Acting also as a **basic ATS switch** such unit could help in **improving your power continuity**.

Suitable for **19" standard** IT racks  
**DIMENSIONS:** 438x98x44mm (1RU)  
**WEIGHT:** 1.5kg  
**NOMINAL RATING:** 16A / 208 ÷ 240Vac

### ➤ + BATTERY CABINET

The **VRBB cabinet series** are specifically designed to improve autonomy of your UPS , granting superior protections at lower footprint. Engineered to **house up 20 blocks of 7Ah or 9Ah**, the cabinet's design seamlessly integrates with the aesthetics of Antares Pro series , delivering a **practical, solid and visually appealing solution**.

Battery cabinet as well as all the ANTARES PRO R/T series can be equipped with adjustable (40- 90cm/120Kg max) **rack mount rails (VRSL090120)**

The **VRASS16IECPRO** is a **professional Automatic Transfer Switch** with possibility to integrate remote control via SNMP. Suitable for UPS solutions up to 3000W. It offers two independent power input sources to supply power, seamlessly, to the load from primary or secondary power source.

**VRSNMPATS** optional card offers full control and monitoring via **TCP/IP protocols**.

Suitable for **19" standard** IT racks  
**DIMENSIONS:** 438x330x44mm (1RU)  
**WEIGHT:** 5 kg  
**NOMINAL RATING:** 16A / 208 ÷ 240Vac



# Antares Pro – R/T

## Communication Options:

### ➤ + SNMP/TCP-IP

The ANTARES PRO series, with the **VN-SNMP** card, allows remote monitoring and management of UPS systems via your **Local Area Network (LAN)**.

Using SNMP protocols, it provides the following key features:

**-Remote Monitoring and Control:** Enables setting custom thresholds to trigger alarms and remotely monitor the UPS status.

**-Event Notifications:** Sends email notifications to the team or selected personnel in case of critical power events.

**-Network-Wide Power Management:** Provides information on power events, facilitates automatic shutdowns, and monitors all UPS units connected to the network.

**-Information Accessibility:** Periodically collects and makes UPS data available to connected applications.



### ➤ + MODBUS RTU

The **VN-MODBUS** card is a communication accessory designed to enhance the **management and control** of ANTARES PRO series. Equipped with two RS485 over Rj45 connector, this card enables remote monitoring and control of UPS units, **facilitating integration** with existing RS485/MODBUS network infrastructures.

The card implements the **Modbus RTU protocol**, a widely used communication standard, allowing interfacing via RS485 with a PC or any **Building Management System (BMS)**. This means that the Modbus card not only provides a reliable channel for real-time monitoring of UPS parameters but also allows the collected data to be **integrated into a centralized management system**, improving operational efficiency and responsiveness.



### ➤ + DRY CONTACT

The **AS400** card is a communication accessory that provides **potential-free contacts for remote UPS monitoring**, making it easy to interface with Programmable Logic Controllers (PLC) or signal control panels.

It delivers **critical information** such as UPS failure, alarms, main power failure, bypass activation, low battery warnings, and UPS status (on/off).

These potential-free contacts ensure **isolated signals**, preventing electrical interference between systems. The AS400 card enhances the reliability of the power management system by offering real-time alerts, allowing for quick responses to issues and ensuring the continuous operation of critical systems. This makes it a valuable tool for integrating **UPS monitoring into broader control networks**.



### ➤ + DRY+SNMP

The **S806AS400** Card enables the integration of AS400 functionality with SNMP capabilities in a single solution.

### ➤ + ENVIRONMENT MONITORING

The **VN-EMD** helps to control the ambient condition for proper battery and ups functionality

**POWERTRONIX**  
**Secure Power**  
**Innovation That Saves**