

# ANTARES PRO

**Antares Pro 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 - Tower

UPS MODEL	ANTARES PRO- TOWER				
UPS NOMINAL RATING	1kVA	2kVA	3kVA	6kVA	10kVA
UPS ACTIVE POWER	900W	1800W	2700W	5400W	9000W
UPS REFERENCE	VNOLO1	VNOLO2	VNOLO3	VNOLO6	VNOL10



## 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 220/230/240VAC
OUTPUT POWER FACTOR	0.9
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%
MANUAL BYPASS	Available with mechanical security on 6kVA and 10KVA

## Battery:

INTERNAL BATTERY	2	4	6	16	16 or 20
EXTENDED AUTONOMY	yes, with external battery cabinet				
EXTERNAL BATTERY CABINET	VNBB0101-000	VNBB0203-000	VNBB0610-000		
CHARGING	13,5V block @ up to 4 Amps for 1-3kVA/ up to 6 Amps for 6-10kVA/ from 2 to 6 hours				
BATTERY COMPATIBILITY	VRLA-AGM / VRLA-GEL 7.2Ah or 9Ah				

## Environment:

DIMENSION (DxWxH)	282x145x220	397x145x220	421x190x318	369x190x688 (w/ castors)	442x190x688 (w/ castors)
WEIGHT (Kg-7/9aH)	10	15	26/29	54/61	57/63 (16blocks) 70/74 (20blocks)
OUTPUT-PLUGS	2 x schuko	2 x schuko	2 x schuko + Terminals	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				

## 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

# Antares Pro - Tower

## 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

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## + BATTERY CABINET

The **VNBB cabinet series** are specifically designed to improve autonomy of your UPS, granting superior protections at lower footprint. Engineered to **house up 4, 12 or 40 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**.

Available in **3 different models**, the VNBB battery cabinet is provided with a battery breakers properly dimensioned. As well as with connecting cables for branching it to your Ups.



	VNBB0101-000	VNBB0203-000	VNBB0610-000
<b>BATTERY CABINET COMPATIBILITY</b>	VNOL01 VNOL02	VNOL02 VNOL03	VNOL06 VNOL10
<b>MAX BLOCK 12V 7.2/9Ah</b>	2x2 4x2	3x4 2x6	16x2 20x2
<b>WEIGHT kG (no block)</b>	7	15	24
<b>WEIGHT kG (max 7Ah Block)</b>	15	44	120 (20blocks)
<b>WEIGHT kG (max 9Ah Block)</b>	17	49	136 (20blocks)
<b>ACCESSORIES</b>	breaker + 54Cm power cord	breaker + 54Cm power cord	breaker + 154Cm power cord
<b>DIMENSION (WxDxH/mm)</b>	145*400*220	190*420*320	190*440*690

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