

ANTARES PRO



UPS SERIES

POWER YOU CAN RELAY-ON

CLASSIFICATION: VFI-SS-111 (EN 62040-3)
POWER RANGE: 1 - 10 kVA
No. OF PHASES: 1:1

012001—ISO9001VROL1-10

ANTARES PRO RT

UPS MODEL: ANTARES PRO - TOWER
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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!

TYPICAL APPLICATIONS:

| | | | |
|---------|------------|-------------------|--------------------|
| Offices | PC's | Printers | Analysis equipment |
| Servers | Datacenter | Small IT Networks | Laboratories |

SPECIAL APPLICATIONS:

EN-50171 Central Power Supply Systems (CPSS)

SPECIFICATION

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**.

ANTARES PRO TOWER

TECHNICAL SPECIFICATIONS:

UPS MODEL

ANTARES PRO - TOWER

| REFERENCE | VNOL01 | VNOL02 | VNOL03 | VNGL06 | VNGL10 |
|-------------------------------------|---|--------|--------|----------|--------|
| GENERAL DATA | 1kVA | 2kVA | 3kVA | 6kVA | 10kVA |
| OUTPUT POWER MAX. | 900W | 1800W | 2700W | 6000W | 10000W |
| OUTPUT POWER FACTOR | 0.9 | | | 1 | |
| TOPOLOGY | Online double conversion | | | | |
| UPS TYPE | Tower | | | | |
| INBUILT BATTERIES | Yes | | | | |
| 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 | | | | |
| STANDARDS | | | | | |
| EUROPEAN DIRECTIVES | LV 2014/35/EU Low Voltage Directive EMC 2014/30/EU Electromagnetic Compatibility Directive / CE marks | | | | |
| STANDARDS | RoHS Compliance; IEC EN 62040-3 (Voltage and Frequency Independent)VFI-SS-111 | | | | |
| SAFETY | IEC / EN 62040-1 | | | | |
| ELECTROMAGNETIC COMPATIBILITY (EMC) | IEC / EN 62040-2 | | | | |
| PERFORMANCE | IEC / EN 62040-3 | | | | |
| PRODUCT CERTIFICATION | CE | | | | |
| PROTECTION RATING | IP 20 | | | | |
| MANUFACTURING | ISO 9001:2015, ISO 14001:2015, OHSAS18001 | | | | |

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ANTARES PRO TOWER

+ 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 |
|--------------------------------------|------------------------------|------------------------------|-------------------------------|
| BATTERY CABINET COMPATIBILITY | VNOLO1 VNOLO2 | VNOLO2 VNOLO3 | VNOLO6 VNOL10 |
| MAX BLOCK 12V 7.2/9Ah | 2 x 2 4 x 2 | 3 x 4 2 x 6 | 16 x 2 20 x 2 |
| WEIGHT kG (no block) | 7 | 15 | 24 |
| WEIGHT kG (max 7Ah Block) | 15 | 44 | 120 (20blocks) |
| WEIGHT kG (max 9Ah Block) | 17 | 49 | 136 (20blocks) |
| ACCESSORIES | breaker + 54Cm power cord | breaker + 54Cm power cord | breaker + 154Cm power cord |
| DIMENSION (WxDxH/mm) | 145*400*220 | 190*420*320 | 190*440*690 |

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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

For quick access to manuals, firmware, and software updates, please visit the official website or contact your local distributor.